

Case No.

1213

Application, Transcript,
Small Exhibits, Etc.



CERTIFICATION - DETERMINATION

Pursuant to the authority vested in the Secretary of Interior under the allotted Mineral Leasing Act of March 3, 1909, 35 Stat. 783, 25 U. S. C. sec. 396 and the Tribal Land Mineral Leasing Act of May 11, 1938, 52 Stat. 347, 25 U. S. C. secs. 396a, et seq., as to certain restricted and allotted Indian lands and delegated to the Commissioner of Indian Affairs by Departmental Order No. 2508 of January 11, 1949, 14 F. R. 258-260, and

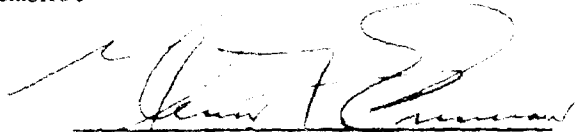
Pursuant to the authority vested in the Secretary of Interior as to Federal lands, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Director of the Geological Survey pursuant to Departmental Order No. 2365 of October 8, 1947, 43 C. F. R. sec 4.611, 12 F. R. 6784, we do hereby:

A. Approve the attached agreement for the development and operation of the Tanner Unit Area, San Juan County, State of New Mexico.


B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, and royalty requirements of all Indian leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

D. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.


Commissioner of Indian Affairs

Dated SEP 10 1957


Director, United States Geological Survey

Dated SEP 10 1957

14 08-001 8843

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE TANNER UNIT AREA
COUNTY OF SAN JUAN, STATE OF NEW MEXICO

NO. _____

THIS AGREEMENT, made and entered into as of the 1st day of MARCH, 1957, 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 Mineral Leasing Act of February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. Sections 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 of 1943) to consent to and approve the development or operation of lands of the State of New Mexico under this Agreement; and

WHEREAS, the rules and regulations governing the leasing of restricted allotted and tribal Indian lands for oil and gas except allotments made to the members of the five civilized tribes and Osage Indians in Oklahoma, promulgated by the Secretary of the Interior (25 C.F.R. 189.24 (c)) under and pursuant to the Act of March 3, 1909, 35 Stat. 783, 25 U.S.C. Section 396 and the Tribal Land Mineral Leasing Act of May 11, 1938, 52 Stat. 347, 25 U.S.C. Section 396A et seq., and the oil and gas leases covering said allotted and tribal Indian lands provide for the commitment of such leases to a cooperative or unit plan of development or operation; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by an Act of the Legislature (Chapter 72 Laws of 1935, as amended

by Chapter 193, Laws of 1937, Chapter 166, Laws of 1941, and Chapter 168, Laws of 1949) to approve this Agreement and the conservation provisions hereof; and

WHEREAS, the parties hereto hold sufficient interest in the Tanner Unit Area covering the land hereinafter described to give reasonably effective control of operations thereon; and

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

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

1. ENABLING ACT AND REGULATIONS: The Mineral Leasing Act of February 25, 1920 as amended, *supra*, and all valid pertinent regulations, 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; as to Indian lands, the Acts of March 3, 1909, and May 11, 1938, *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, provided such regulations are not inconsistent with the terms of this Agreement; and as to State of New Mexico 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

T. 23 N., R. 12 W., N.M.P.M.

Sec. 1: Lots 5 thru 20 (All)
Sec. 2: Lots 1,2,3,4, SW $\frac{1}{4}$, SE $\frac{1}{4}$ (All)
Sec. 3: Lots 5 thru 16, SW $\frac{1}{4}$ (All)
Sec. 4: Lots 5 thru 20 (All)

Sec. 5: Lots 5 thru 20 (All)
 Sec. 6: Lots 8 thru 23 (All)
 Sec. 7: Lots 5 thru 19, SE $\frac{1}{4}$ SE $\frac{1}{4}$ (All)
 Sec. 8: Lots 1 thru 14, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
 Sec. 9: Lots 1,2,3,4, NE $\frac{1}{4}$, S $\frac{1}{2}$ (All)
 Sec. 10: Lots 1 thru 8, E $\frac{1}{2}$ (All)
 Sec. 11: All
 Sec. 12: Lots 1 thru 16 (All)
 Sec. 13: Lots 1 thru 16 (All)
 Sec. 14: Lots 1 thru 8, N $\frac{1}{2}$ (All)
 Sec. 15: Lots 1 thru 8, N $\frac{1}{2}$ (All)
 Sec. 16: All
 Sec. 17: Lots 1 thru 13, NW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
 Sec. 18: Lots 1 thru 6, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ (All)
 Sec. 19: Lots 5 thru 20 (All)
 Sec. 20: Lots 1 thru 16 (All)
 Sec. 21: Lots 1 thru 16 (All)
 Sec. 22: Lots 1 thru 16 (All)
 Sec. 23: Lots 1 thru 8, S $\frac{1}{2}$ (All)
 Sec. 24: Lots 1 thru 8, S $\frac{1}{2}$ (All)
 Secs. 25 thru 29: All
 Sec. 30: Lots 1,2,3,4, E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$ (All)
 Sec. 31: Lots 1,2,3,4, E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$ (All)
 Secs. 32 thru 36: All

T. 24 N., R. 12 W., N.M.P.M.

Sec. 19: Lots 5 thru 20 (All)
 Sec. 20: Lots 1 thru 16 (All)
 Sec. 21: Lots 1 thru 16 (All)
 Sec. 22: Lots 1 thru 16 (All)
 Sec. 23: Lots 1 thru 16 (All)
 Sec. 24: Lots 1 thru 16 (All)
 Sec. 25: Lots 1 thru 16 (All)
 Sec. 26: Lots 1 thru 16 (All)
 Sec. 27: Lots 1 thru 16 (All)
 Sec. 28: Lots 1 thru 16 (All)
 Sec. 29: Lots 1 thru 16 (All)
 Sec. 30: Lots 5 thru 20 (All)
 Sec. 31: Lots 5 thru 20 (All)
 Sec. 32: All
 Sec. 33: Lots 1 thru 16 (All)
 Sec. 34: Lots 1 thru 16 (All)
 Sec. 35: Lots 1 thru 16 (All)
 Sec. 36: All

containing 35,751.16 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 "State Commissioner", and not less than seven (7) copies of the revised exhibits shall be filed with the Supervisor and one (1) copy thereof shall be filed with the State Commissioner and one (1) copy with the New Mexico Oil Conservation Commission, hereinafter referred to as "State Commission". The Commissioner of Indian Affairs shall hereafter be referred to as the "Indian Commissioner".

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 provisions of this Agreement. Such expansion or contraction shall be effected 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 State Commissioner, after preliminary concurrence by the Director, shall prepare a notice of proposed expansion or contraction describing the contemplated change in the boundaries of the unit area, the reasons therefor, and the proposed effective date hereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Supervisor, the State Commission, and the State Commissioner, and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that thirty (30) days will be allowed for submission to the Supervisor of any objections.

(c) Upon expiration of the thirty (30) day period provided in the preceding paragraph, the Unit Operator shall file with the Supervisor, the State Commission, and the State Commissioner, evidence of mailing of the notice of proposed expansion or contraction and a copy of any objections thereto which have been received by the Unit Operator, together with an application, in sufficient number to permit approval of such expansion or contraction, and with appropriate justification.

(d) In the preparation of all pertinent information, the

expansion or contraction shall, upon approval by the Director, the State Commissioner and the State Commission, become effective as of the date prescribed in the notice thereof.

(e) All legal subdivisions of unitized lands (i.e., 40 acres by Government survey or its nearest lot or tract equivalent in instances of irregular surveys, however, unusually large lots or tracts shall be considered in multiples of 40 acres, or the nearest aliquote equivalent thereof, for the purpose of elimination under this subsection), no parts of which are entitled to be in a participating area within five (5) years after the first day of the month following the effective date of the first initial participating area established under this Unit Agreement, shall be eliminated automatically from this Agreement, effective as of the first day thereafter, and such lands shall no longer be a part of the unit area and shall no longer be subject to this Agreement, unless at the expiration of said five-year period diligent drilling operations are in progress on unitized lands not entitled to participation, in which event all such lands shall remain subject hereto for so long as such drilling operations are continued diligently, with not more than ninety (90) days time elapsing between the completion of one such well and the commencement of the next such well, except that the time allowed between such wells shall not expire earlier than thirty (30) days after the expiration of any period of time during which drilling operations are prevented by a matter beyond the reasonable control of Unit Operator as set forth in the section hereof entitled, "Unavoidable Delay"; provided that all legal subdivisions of lands not in a participating area and not entitled to become participating under the applicable provisions of this Agreement within seven (7) years after said first day of the month following the effective date of said first initial participating area shall be eliminated as above specified. Determination of creditable "Unavoidable Delay" time shall be made by Unit Operator and subject to approval of the Commissioner and the Director. The Unit Operator shall, within ninety (90) days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Commissioner and the Director and promptly notify all parties in interest.

If conditions warrant extension of the seven (7) year period specified in this subsection 2(e), a single extension of not to exceed two (2) years

may be accomplished by consent of the owners of 90% of the current unitized working interests and 60% of the current unitized basic royalty interests (exclusive of the basic royalty interests of the United States), on a total-nonparticipating-acreage basis, respectively, with approval of the Commissioner and the Director, provided such extension application is submitted to the Commissioner and the Director not later than sixty (60) days prior to the expiration of said seven (7) year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not be considered automatic commitment or recommitment of such lands.

3. UNITIZED LAND AND UNITIZED SUBSTANCES: All land committed to this Agreement shall constitute land referred to herein as "unitized land" or "land subject to this Agreement". All oil and gas in any and all formations of the unitized land are unitized under the terms of this Agreement and herein are called "unitized substances".

4. UNIT OPERATOR: Humble Oil & Refining Company, a Texas corporation with offices at Houston, Texas, is hereby designated as Unit Operator and by signature hereto as Unit Operator commits to this Agreement all interests in unitized substances vested in it as set forth in Exhibit "B" attached hereto and agrees and consents to accept the duties and obligations of Unit Operator for the discovery, development and production of unitized substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interest in unitized substances, and the term "working interest owner" when used herein shall include or refer to Unit Operator as the owner of a working interest when such an interest is owned by it.

5. RESIGNATION OR REMOVAL OF UNIT OPERATOR: Unit Operator shall have the right to resign at any time prior to the establishment of a participating area or areas hereunder, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six (6) months after notice of intention to resign has been served by Unit Operator on all working interest owners and the Director, the State Commissioner and the State 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 and Indian lands and by the State Commission as to state and privately-owned 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.

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, the State Commissioner and the State Commission.

At any time a participating area established hereunder is in existence, the unit operator shall have the right to resign in like manner and subject to like limitations as above provided, and removal because of default or failure may occur, but, at any time for any reason whatsoever there is no unit operator and until a successor unit operator is selected and approved as hereinafter provided, the working interest owners jointly shall be responsible for performance of the duties of unit operator, and shall, not later than thirty (30) days before the resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

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

of any wells.

6. SUCCESSOR UNIT OPERATOR: Whenever the Unit Operator shall tender his or its resignation as Unit Operator or shall be removed as hereinabove provided, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or until a participating area shall have been established, the owners of the working interests according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator; provided, that, if a majority but less than seventy-five per cent (75%) of the working interests qualified to vote are owned by one party to this Agreement, a concurring vote of sufficient additional working interest owners shall be required so as to constitute in the aggregate not less than seventy-five per cent (75%) of the total working interests in order 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 State Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Director and State Commissioner at their election may declare this Unit Agreement terminated.

7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT: If the Unit Operator is not the sole owner of working interests, costs, and expenses incurred by Unit Operator in conducting unit operations hereunder shall be paid in the first instance by Unit Operator and such costs and expenses so paid by Unit Operator shall be apportioned among and borne by the owners of working interests and the Unit Operator reimbursed, all in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working interests, whether one or more, separately or collectively. Any agreement or agreements, entered into between the working interest owners and the Unit Operator as provided in this section, whether one or more, are herein referred to as the "unit operating agreement". Such unit operating agreement shall also provide the manner in which the working interest owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases, or other independent contracts, and such other rights and

obligations as between Unit Operator and the working interest owners as may be agreed upon by Unit Operator and the working interest owners; however, no such unit operating agreement shall be deemed either to modify any of the terms and conditions of this Unit Agreement or to relieve the Unit Operator of any right or obligation established under this Unit Agreement, and in case of any inconsistency or conflict between the Unit Agreement and the unit operating agreement, this Unit Agreement shall prevail. Three true copies of any unit operating agreement executed pursuant to this section should be filed with the Supervisor prior to approval of this Agreement.

Notwithstanding any provision contained herein to the contrary, each working interest owner shall have the right to take such owner's proportionate share of the unitized substances in kind or to personally sell or dispose of the same, and nothing herein contained shall be construed as giving or granting to the Unit Operator the right to sell or otherwise dispose of the proportionate share of any working interest owner without specific authorization from time to time so to do.

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. DRILLING TO DISCOVERY: Within six (6) months after the effective date hereof, Unit Operator shall begin to drill an adequate test well at a location approved by the Supervisor if on federal or Indian land, by the State Commissioner if on state land, or by the State Commission if on privately-owned land, unless on such effective date a well is being drilled conformably

with the terms hereof, and shall continue such drilling diligently until the Dakota formation has been tested, and shall thereafter continue the drilling of one well at a time until at least two additional wells have been drilled on the unit area to a depth sufficient to test the Dakota formation, with the elapse of not more than sixty (60) days between the time of the completion of one well and the commencement of the next, unless the Unit Operator shall have established to the satisfaction of the Supervisor, if on federal or Indian land, the State Commissioner if on state land, or the State Commission if on privately-owned land, that the further drilling of any well or wells would be unwarranted or impracticable; provided, however, if Unit Operator shall not in any event be required to drill any of said wells to a depth in excess of 5,500 feet.

After the completion of the three wells specified in the foregoing paragraph and until the discovery of a deposit of unitized substances capable of being produced in paying quantities, Unit Operator shall continue drilling diligently one well at a time, allowing not more than six (6) months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of the Supervisor if on federal or Indian lands, the State Commissioner if on state land, or the State Commission if on privately-owned land, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities in the formations drilled hereunder. Nothing in this section shall be deemed to limit the right of Unit Operator to resign as provided in Section 5 hereof, or as requiring Unit Operator to commence or to continue any drilling during the period pending such resignation becoming effective in order to comply with the requirements of this section. After the completion of the three (3) wells referred to in the first paragraph of this section, the Director and State Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in their opinion, such action is warranted.

Upon failure to comply with the drilling provisions of this section, the Director and the State Commissioner may, after reasonable notice to the Unit Operator, and each working interest owner, lessee, and lessor at their last known address, declare this Unit Agreement terminated.

10. PLAN OF FURTHER DEVELOPMENT AND OPERATION: Within six (6) months after the completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall submit for the approval of the Supervisor, the State Commissioner and the State Commission an acceptable plan of development and operation for the unitized land which, when approved by the Supervisor, the State Commissioner and the State Commission shall constitute the further drilling and operating obligations of the Unit Operator under this Agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Supervisor, the State Commissioner and the State Commission, a plan for an additional specified period for the development and operation of the unitized land. Any plans submitted pursuant to this section shall provide for the exploration of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor and the State Commissioner and the State Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall (a) specify the number and 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 State Commissioner and the State 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.

The Supervisor and State Commissioner are authorized to grant a reasonable extension of the six (6) months period herein prescribed for submission of an initial plan of development where such action is justified because of unusual conditions or circumstances. After completion hereunder of a well capable of producing oil or gas in paying quantities, no further wells, except such as may be necessary to afford protection against operations not under this

Agreement, or such undrilled initial test wells specified in Section 9 above, or such as may be specifically approved by the Supervisor and the State Commissioner shall be drilled except in accordance with a plan of development approved as herein provided.

11. PARTICIPATION AFTER DISCOVERY: Upon completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall, within the month of completion, if practicable, or as soon thereafter as required by the Supervisor or the State Commissioner, submit for approval by the State Commissioner, the State Commission and the Director, a schedule based on subdivisions of the public land survey or aliquot parts thereof, of all unitized land then regarded as reasonably proved to be productive of unitized substances in paying quantities; all land in said schedule, on approval of the State Commissioner, the State Commission and the Director to constitute a participating area, effective as of the date of completion of such well, or the effective date of this Unit Agreement, whichever is later. Said schedule also shall set forth the percentage of unitized substances to be allocated as herein provided, to each unitized tract in the participating area so established, and said schedule shall govern the allocation 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 zone or pool, and any two or more participating areas so established may be combined into one with the consent of the owners of all working interest of the lands so to be combined and the approval of the State Commissioner, the State Commission and the Director. The participating area or areas so established and approved shall be revised from time to time, subject to like approval, whenever such action appears proper as a result of further drilling operations or otherwise to include additional land then regarded as reasonably proved to be productive in paying quantities, or to exclude land then regarded as reasonably proved not 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, provided, however, that a more appropriate effective date may be used if

justified by the Unit Operator and approved by the Director. No land shall be excluded from a participating area on account of depletion of the unitized substances.

It is the intent of this section 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 State Commissioner and the State 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, Indians and the State of New Mexico, which shall be determined by the Supervisor for federal or Indian lands and the State Commissioner for state lands and the amount thereof deposited as directed by the Supervisor and the State 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, Indian 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 drilled on federal and Indian land and of the State Commissioner as to wells drilled on state land, and the State Commission as to wells on privately-owned 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 shall, for the purposes of settlement among royalty interest owners, 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 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, the State Commissioner and the State Commission, or unavoidably lost, shall be deemed to be produced equally on an 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 OR FORMATIONS AND DRILLING OF WELLS NOT MUTUALLY AGREED UPON: Any party or parties hereto owning or controlling the working interests or a majority of the working interests in any unitized land having thereon a regular well location may, with the approval of the Supervisor as to federal or Indian land, and the State Commission as to state land and privately-owned land, and subject to the provisions of the unit operating agreement, at such party's sole risk, cost, and expense drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area,

or drill any well not mutually agreed to by all interested parties, unless within ninety (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 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 transferred to and 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 to 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, the Indians 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 repressuring, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Supervisor, the State Commissioner and the State Commission, 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, the State Commissioner and the State Commission 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 and the Indians 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 or Indian land as provided herein at the rates specified in the respective federal or Indian 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 and Indian lands subject to this Agreement shall be paid at the rate specified in the respective leases from the United States and

Indians 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.

With respect to any committed lease on non-federal or non-Indian 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 thereafter until the required drilling operations are commenced upon the land covered thereby or some portion of such land is included in 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 with the consent of the Director or the State Commissioner, respectively, pursuant to applicable regulations pay a fair and reasonable compensatory royalty as determined by the Supervisor for federal or Indian lands or as approved by the State 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 and Indian leases and the State 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, Indian 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 tract or part 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 and the State Commissioner (or their duly authorized representatives) 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 and the Indians, 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; provided, however, each such lease, sublease or contract, where not already extended by production, shall only be extended in the event unitized substances are capable of being produced from some part of the lands embraced in such lease committed to this agreement, or some part of said lands are committed to a participating area prior to the expiration of the primary term of such lease, sublease or contract. Termination of this Agreement shall not affect any lease which,

pursuant to the terms thereof or applicable law, shall continue in full force and effect thereafter.

(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 or Indian 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 subject hereto, provided that production is had in paying quantities under this Agreement prior to the expiration date of the term of such lease.

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

(g) The segregation of any federal lease committed to this Agreement is governed by the following provision in the fourth paragraph of Sec. 17 (b) of the Act, as amended by the Act of July 29, 1954, (68 Stat. 583, 585): "Any (federal) lease hereafter committed to any such (unit) plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization: Provided, however, that any such lease as to the nonunitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

(h) Any lease embracing lands of the Indians or State of New Mexico 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. Provided, however, notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the

State of New Mexico having only a portion of its lands committed hereto shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease, if unitized substances are discovered and are capable of being produced in paying quantities from some part of the lands embraced in such lease committed to this agreement at the expiration of the secondary term of such lease; or if, at the expiration of the secondary term, the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced in such lease, the same as to all lands embraced therein shall remain in full force and effect so long as such operations are being diligently prosecuted, and if they result in the production of unitized substances, said lease shall continue in full force and effect as to all of the lands embraced therein, so long thereafter as unitized substances in paying quantities are being produced from any portion of said lands.

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 State Commissioner, the Indian Commissioner, and the Director, or their duly authorized representatives, as of the date of approval by the Director, and shall terminate five years after such date, unless (a) such date of expiration is extended by the Director and State Commissioner, or (b) it is reasonably determined prior to the expiration of the fixed term or any extension thereof that the unitized land is incapable of production of unitized substances in paying quantities in the formations tested hereunder and

after notice of intention to terminate the Agreement on such ground is given by the Unit Operator to all parties in interest at their last known addresses, the Agreement is terminated with the approval of the Director and State Commissioner, or (c) a valuable discovery of unitized substances has been made on unitized land during said initial term or any extension thereof, in which event the Agreement shall remain in effect for such term and so long as unitized substances can be produced in paying quantities, i.e., in this particular instance in quantities sufficient to pay for the cost of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as the unitized substances so discovered can be produced as aforesaid, or (d) it is terminated as heretofore provided in this Agreement.

This Agreement may be terminated at any time by not less than seventy-five (75) per centum, on an acreage basis, of the owners of working interests signatory hereto, with the approval of the Director and State 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 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 State 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 State 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 State Commission.

Powers in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than fifteen (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 any leases or contracts subject hereto, or to any penalty or liability on account of delay or failure in whole or in part to comply with any applicable provision thereof to the extent that the said Unit Operator, working interest owners or any of them are hindered, delayed or prevented from complying therewith by reason of failure of the Unit Operator to obtain, in the exercise of due diligence, the concurrence of proper representatives of the United States and proper representatives of the State of New Mexico in and about any matters or thing concerning which it is required herein that such concurrence be obtained. The parties hereto, including the State Commission, agree that all powers and authority vested in the State Commission in and by any provisions of this contract are vested in the State 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, the Commissioner of Public Lands and the New Mexico Oil Conservation Commission and to appeal from orders issued under the regulations of said Department, the State Commission or State Commissioner, or to apply for relief from any of said regulations or in any proceedings relative to operations before the Department of the Interior, the State Commissioner or State 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, demand or statements required hereunder 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 part sending the notice, demand or statement.

25. NO WAIVER OF CERTAIN RIGHTS: Nothing in this Agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State wherein said unitized lands are located, or of the United States, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

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

27. FAIR EMPLOYMENT: In connection with the performance of work under this Agreement, the Unit Operator agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Unit Operator agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

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

28. LOSS OF TITLE: In the event title to any tract of unitized land shall fail and the true owner cannot be induced to join in this Unit Agreement, so that such tract is not committed to this Unit Agreement, or the operation thereof hereunder becomes impractical as a result thereof, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title as to any royalty, working interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to federal, Indian and state land or leases, no payments of funds due the United States, Indians 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 State 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 State 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. Joinder to the Unit Agreement by a working interest owner, at any time, must be accompanied by appropriate joinder to the unit operating agreement, if more than one committed working interest owner is involved, in order for the interest to be regarded as effectively committed to this Unit Agreement. 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, the State Commissioner and the State Commission of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this Agreement unless objection to such joinder is duly made within sixty (60) days by the Director, State Commissioner or State Commission.

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

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and set opposite their respective names the date of execution.

Attest:


ATTESTOR

HUMBLE OIL & REFINING COMPANY

BY:


EXECUTIVE VICE PRESIDENT

ADDRESS:

UNIT OPERATOR AND WORKING INTEREST OWNER

ATTEST:

Secretary
Date _____

By _____
Address _____

ATTEST:

Secretary
Date _____

By _____
Address _____

ATTEST:

Secretary
Date _____

By _____
Address _____

ATTEST:

Secretary
Date _____

By _____
Address _____

ATTEST:

Secretary
Date _____

By _____
Address _____

ATTEST:

Secretary
Date _____

THREE STATES NATURAL GAS CO.
By John A. McHenry
Address 1000 Louisiana Avenue
Houston, Texas

ATTEST:

ANT Secretary
Date June 1, 1957

TEXAS NATIONAL PETROLEUM CO.
902 South Coast Life Building
Houston, Texas
By _____
Address _____

ATTEST:

Secretary
Date JUN 3 1957

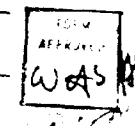
GULF OIL CORPORATION
By A. M. Bell, Jr.
A. M. BELL, JR., Attorney-in-Fact
Address P.O. Box 3077
Denver, Colorado



ATTEST:

Secretary
Date _____

By _____
Address P.O. Box 2410
Denver, Colorado



ATTEST:

Secretary

Date

By

Address

ATTEST:

Secretary

Date

SOUTHERN UNION GAS COMPANY

By

Address

APPROVED
Eng.
Land

ATTEST:

Asst. Secretary

Date

PURCO PETROLEUM CORPORATION

By

Address

ATTEST:

Secretary

Date

STANDARD OIL COMPANY OF TEXAS

By

Address

ATTEST:

Secretary

Date

By

Address

ATTEST:

Secretary

Date

By

Address

ATTEST:

Secretary

Date

By

Address

ATTEST:

Secretary

Date

By

Address

ATTEST:

Secretary

Date

By

Address

Notary Public

STATE OF Texas)
COUNTY OF Dallas) ss

The foregoing instrument was acknowledged before me this 17th day of June, 1957, by J. C. Reed, Vice President of Reed Petroleum Co., a Texas Corporation, on behalf of said Corporation.

My Commission Expires:

MAURICE L. MIDDLETON
Notary Public, Dallas County, Texas
My Commission expires June 1, 1957.

Maurice L. Middleton
Notary Public

STATE OF New Mexico)
COUNTY OF Bernalillo) ss

The foregoing instrument was acknowledged before me this 19th day of June, 1957, by Frank A. Gordon Jr., Vice President of PUSCO PETROLEUM CORPORATION, a New Mexico Corporation, on behalf of said Corporation.

My Commission Expires:

My Commission Expires June 24, 1957

Mary Beth Harkness
Notary Public

STATE OF Texas)
COUNTY OF Dallas) ss

The foregoing instrument was acknowledged before me this 20th day of June, 1957, by H. H. H. H., Vice President of the, a Texas Corporation, on behalf of said Corporation.

My Commission Expires:

6/27

H. H. H. H.
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, _____ of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires:

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, _____ of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires:

Notary Public

RECEIVED

AUG 1 2 1957

SURVEY

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST:

S. J. [Signature]
Assistant-Secretary

TIDEWATER OIL COMPANY

By Charles R. Brown
Vice-President

STATE OF OKLAHOMA)
COUNTY OF TULSA) ss.

The foregoing instrument was acknowledged before me this 9th day of August, 1957, by Charles R. Brown.

My Commission Expires:

April 12, 1958.

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

JUNE 5, 1957 Harold Togan

STATE OF California }
COUNTY OF San Francisco } ss

The foregoing instrument was acknowledged before me this 5th day of June, 1957, by Harold Togan.

My Commission Expires:

1-8-58

Harold Togan
Notary Public

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this ____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

History

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Marion Samuell
TR. # 2, # 3, # 26

STATE OF TEXAS)
COUNTY OF MIDLAND) ss

The foregoing instrument was acknowledged before me this 15th day of MARCH, 1957, by Robert Samuell.

My Commission Expires:

June 1, 1957

[Signature]
Notary Public

STATE OF TEXAS)
COUNTY OF MIDLAND) ss

The foregoing instrument was acknowledged before me this _____ day of MARCH, 1957, by Robert Samuell.

My Commission Expires:

June 1, 1957

[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

<u>DATE:</u> <u>6-28-57</u>	<u>Bill R. Vanderlice</u>
<u>DATE:</u> <u>6-28-57</u>	<u>Bill R. Vanderlice</u>
	<u>Jean W. Vanderlice, his wife</u>
	<u>T.M. 4</u>

STATE OF Texas)
COUNTY OF Dallas) ss

The foregoing instrument was acknowledged before me this 28th day of

June, 1957, by Bill R. Vanderlice and Jean W. Vanderlice
his wife
My Commission Expires: Maurice L. Middleton
MAURICE L. MIDDLETON
Notary Public, Dallas County, Texas
My Commission expires June 1, 1957...
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of

_____, 1957, by _____.

My Commission Expires: _____
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

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IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Dana Gibson Riddle
+ 1 - H

STATE OF New Mexico)
COUNTY OF Bernalillo) ss

The foregoing instrument was acknowledged before me this 11th day of June, 1957, by Dana Gibson Riddle.
My Commission Expires: Sam Rizzo
Notary Public
January 9, 1958

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Robert H. Hutton

William F. Hutton

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

The foregoing instrument was acknowledged before me this 8th day of March, 1957, by ROBERT H. HUTTON & WILLIAM F. HUTTON.

My Commission Expires:

Jan 11, 1957

William M. Baker

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Marianne Williford
R. E. Williford

STATE OF New Mexico } ss.
COUNTY OF Bernalillo }

The foregoing instrument was acknowledged before me this 11th day of July, 1957, by Marianne Williford.

My Commission Expires:

4-13-60

Mary Malone Campbell
Notary Public

STATE OF New Mexico } ss.
COUNTY OF Bernalillo }

The foregoing instrument was acknowledged before me this 11th day of July, 1957, by R. E. Williford.

My Commission Expires:

4-13-60

Mary Malone Campbell
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ John White

STATE OF New Mexico)
COUNTY OF Santa Fe) ss.

The foregoing instrument was acknowledged before me this 17th day of July, 1957, by John White.

My Commission Expires:

My Commission Expires April 12, 1960

Wm. J. [Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof, save and except any interest held in my name for the benefit of Smith Drilling Corporation.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ H. L. Jaramila
Mary C. Jaramila
T.R. 4, 7a, 7b, 7c, 7d

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss.

The foregoing instrument was acknowledged before me this 13th day of July, 1957, by H. L. JARAMILA, JR. and his wife, MARY C. JARAMILA.

My Commission Expires:

My Commission Expires April 13, 1960

Wm. Walter Campbell
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

[Signature] BEAVER LODGE OIL CORP.
[Signature]

STATE OF Nebraska } ss
COUNTY OF Hall

The foregoing instrument was acknowledged before me this 10th day of July, 1957, by [Signature].
My Commission Expires: [Signature]
[Signature]
Notary Public

STATE OF Nebraska } ss
COUNTY OF Hall

The foregoing instrument was acknowledged before me this 10th day of July, 1957, by [Signature].
My Commission Expires: [Signature]
[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

E. R. Richardson
Kathryn B. Richardson

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

The foregoing instrument was acknowledged before me this 8th day of April, 1957, by E. R. Richardson and wife, Kathryn B. Richardson
My Commission Expires: 8/6/60

William A. Collins
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Attest:

C. Harper
Secretary

Robert E. McKee General Contractor, Inc.

Robert E. McKee
President

STATE OF Texas)
COUNTY OF El Paso) ss

The foregoing instrument was acknowledged before me this 23rd day of March, 1957, by Robert E. McKee.
My Commission Expires: March 1958

Notary Public
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST:
B. A. Lucas Assistant County Clerk
Witness:
Mary Jane Roberts

THE FORT WORTH NATIONAL BANK, Independent
Executor & Trustee of Estate of Roy S.
Magruder, Deceased
By D. D. McCaulley (Trust Officer)
Mrs. Helen M. Holliker
Mrs. Helen M. Holliker

TR. 5-7

STATE OF Texas)
COUNTY OF Tarrant) ss

The foregoing instrument was acknowledged before me this 18th day of April, 1957, by D. D. McCaulley, Trust Officer of The Fort Worth National Bank, Independent Executor & Trustee of the estate of Roy S. Magruder, Deceased

My Commission Expires:

My Commission Expires June 1, 1957

Ruth Eagon Mayo
Notary Public
RUTH EAGON MAYO
Notary Public, Tarrant County, Texas

STATE OF Texas)
COUNTY OF El Paso) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by Mrs. Helen M. Holliker.

My Commission Expires:

MARY JANE ROBERTS, Notary Public
El Paso County, Texas
My Commission Expires June 1, 1957

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

J. C. Fincher

STATE OF TEXAS)
COUNTY OF BEXAR) ss

The foregoing instrument was acknowledged before me this 10th day of June, 1957, by J. C. Fincher.

My Commission Expires:
June 1, 1959

Marguerite A. Stewart

Notary Public
MARGUERITE A. STEWART
Notary Public, Bexar County, Texas

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ George H. Smith

_____ Tr. 6, 7, 7a, 7b, 7c, 7d

STATE OF Texas)
COUNTY OF Dallas) ss

The foregoing instrument was acknowledged before me this 17th day of June, 1957, by George H. Smith.
My Commission Expires: _____
Viola Cundiff
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Mrs. F. F. F. F.
Victoria White

Grace Kramer Ernest
Secretary of the State

STATE OF LOUISIANA)
COUNTY OF PARISH OF CADDO) ss

The foregoing instrument was acknowledged before me this 5th day of June, 1957, by Grace Kramer Ernest.

My Commission Expires:
At death

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Donald H. Bowman

TR. 7 b

John A. Miller

TR. 7 c

STATE OF Texas)
COUNTY OF San Juan) ss

The foregoing instrument was acknowledged before me this 1st day of July, 1957, by Hugh McMillan.

My Commission Expires:

Notary Public

STATE OF Texas)
COUNTY OF Texas) ss

The foregoing instrument was acknowledged before me this 1st day of July, 1957, by Donald H. Bowman.

My Commission Expires:

Notary Public

January 1, 1958

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Thekla M. Graham
D.L. Graham
Jessie Maude Keys
TO 8-9

STATE OF Oklahoma)
COUNTY OF Mayes) ss

The foregoing instrument was acknowledged before me this 1 day of June, 1957, by Thekla M. Graham and Rayliff J. Graham, wife & husband, and Jessie Maude Keys, single.

My Commission Expires:

Aug 12 - 1960

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

<u>Carroll T. Payne</u>	<u>J. Felix Hickman</u>
<u>Edith H. Payne</u>	<u>Merle Hickman</u>

STATE OF New Mexico)
COUNTY OF Bernalillo) ss

The foregoing instrument was acknowledged before me this 12 day of March, 1957, by J. Felix Hickman and wife, Merle Hickman.

My Commission Expires:

Carroll T. Payne
Notary Public

STATE OF New Mexico)
COUNTY OF Bernalillo) ss

The foregoing instrument was acknowledged before me this 13th day of March, 1957, by Carroll T. Payne and wife, Edith H. Payne.

My Commission Expires:

Carroll T. Payne
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ RE Beamon

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 14th day of May, 1957, by _____
My Commission Expires: 6-1-57

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this ____ day of _____, 1957, by _____
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Jose E. Armijo
Jane A. Armijo

STATE OF NEW MEXICO)
COUNTY OF San Miguel) ss

The foregoing instrument was acknowledged before me this 18th day of March, 1957, by Jose E. Armijo and Jane A. Armijo, his wife.

My Commission Expires:

August 30, 1959

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Carl W. Ilfeld
William J. Ilfeld

STATE OF New Mexico)
COUNTY OF San Miguel) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by Carl W. Ilfeld
My Commission Expires: 9/13/58
[Signature]
Notary Public

STATE OF New Mexico)
COUNTY OF San Miguel) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by William J. Ilfeld
My Commission Expires: 9/13/58
[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ *David L. Mills*
Christine M. Mills

STATE OF TEXAS)
COUNTY OF JAINES) ss

The foregoing instrument was acknowledged before me this 6th day of March, 1957, by David L. Mills and Christine M. Mills.
My Commission Expires: _____
June 1, 1957. _____
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Wylie Smith
Fannie J. Smith
TO 3

STATE OF TEXAS,)
COUNTY OF GAINES.) ss

The foregoing instrument was acknowledged before me this 19th day of March, 1957, by Wylie J. Smith and wife, Fannie J. Smith.

My Commission Expires:
June 1st, 1957

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Heleen J. Bonfield

TP: 13

STATE OF New Mexico)
COUNTY OF Santa Fe) ss

The foregoing instrument was acknowledged before me this 27th day of February, 1957, by _____.

My Commission Expires: _____

Notary Public

MY COMMISSION EXPIRES: _____

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

F. E. Chartier
Peggy Chartier
Tanner

STATE OF New Mexico)
COUNTY OF Lea) ss

The foregoing instrument was acknowledged before me this 11th day of March, 1957, by F. E. Chartier and Peggy Chartier, wife.
My Commission Expires: 12/29/59

William M. Selby
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ *Paul F. Catterson*

STATE OF NEW MEXICO)
CITY OF SANTA FE) ss
COUNTY OF SAN JUAN)

The foregoing instrument was acknowledged before me this 1st day of MAY, 1957, by PAUL F. CATTERSON, A SINGLE MAN.

My Commission Expires:

FEBRUARY 21, 1960

W. J. [Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ *Overly G. Turner*
Stanley G. Turner

STATE OF New Mexico }
COUNTY OF San Juan } ss

The foregoing instrument was acknowledged before me this 15th day of May, 1957, by Overly G. Turner and Stanley G. Turner.

My Commission Expires:

Sept. 21, 1960

Mildred Hunt
Notary Public

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this ____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Charles J. Finklea
Jessie Finklea

STATE OF Oklahoma)
COUNTY OF Muskogee) ss

The foregoing instrument was acknowledged before me this 27 day of May, 1957, by Charles J. Finklea & Jessie Finklea - Husband & Wife

My Commission Expires:

6-12-57

Harold Hanks
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ TR-19-22

STATE OF NEW MEXICO
COUNTY OF BERN

The foregoing _____ acknowledged before me this 1st day of July, _____, _____ a single man.
My Commission Expires 8/6/60

Notary Public

STATE OF _____
COUNTY OF _____

The foregoing ins _____ acknowledged before me this _____ day of _____, 19____.
My Commission Expires _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Stanley E. Rynders

Esther M. Ahern

TR 9-22

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1 day of March, 1957, by T. J. AHERN.

My Commission Expires:

6-1-59

Mary J. Wagner
Notary Public

MARY J. WAGNER

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1 day of March, 1957, by Esther M. Ahern.

My Commission Expires:

6-1-59

Mary J. Wagner
Notary Public

MARY J. WAGNER

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Frank H. Sheffield
Mary D. Ingram

E. W. Ingram E. W. INGRAM
Mary Doll Ingram
7-1-57

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 11 day of March, 1957, by E. W. Ingram.

My Commission Expires:
6-1-57

Notary Public

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 11 day of March, 1957, by Mary Doll Ingram.

My Commission Expires:
6-1-57

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Charles J. Brown II
William Wallace Brown
Independent Co-Executors of the
Estate of Henry M. Brown

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 31st day of
July, 1957, by Charles J. Brown II.

My Commission Expires:

June 1, 1959

Julia Hise
Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 31st day of
July, 1957, by William Wallace Brown.

My Commission Expires:

June 1, 1959

Julia Hise
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

TAN 17-22

Richard H. Davison Jr.
Dorothy H. Davison

STATE OF Mass.)
COUNTY OF Suffolk) ss

The foregoing instrument was acknowledged before me this 2nd day of April, 1957, by Richard H. Davison Jr. & Dorothy H. Davison

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Wilbur E. Hess

_____ Catherine C. Hess
_____ TRUSTEES

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by Wilbur E. Hess and Catherine C. Hess.

My Commission Expires:

June 1, 1957

Notary Public

**Ruth Williams, Notary Public in and
for Harris County, Texas**

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Homer E. Ley
Mrs Emma Alice Ley

T.D. 1-22

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by HOMER E. LEY and MRS. EMMA ALICE LEY.

My Commission Expires:
June 1, 1957

Clara Fiquet Weimar (Clara Fiquet Weimar)
Notary Public in and for
Harris County, Texas

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

James E. Mader
Mrs. J. E. Mader
11.11.57

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 20th day of March, 1957, by James E. Mader.

My Commission Expires:

April 1, 1958

William H. Stubbins
Notary Public

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 20th day of March, 1957, by Mrs. J. E. Mader.

My Commission Expires:

April 1, 1958

William H. Stubbins
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

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IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ R E Beamon III
Gay S. Beamon
7-1-12-22

STATE OF Texas)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 6th day of March, 1957, by R E Beamon III and wife Gay S Beamon.

My Commission Expires:
6-1-57

Alvin S. Beamon
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

E. F. Kalb

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 31st day of March, 1957, by E. F. Kalb.
(Guy E. Smith)
My Commission Expires: _____
June 1st, 1957 Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Hugh B Alexander

_____ Marion B Alexander

STATE OF Idaho)
COUNTY OF Tanner) ss

The foregoing instrument was acknowledged before me this 26 day of March, 1957, by Hugh B. Alexander.

My Commission Expires:

June 1, 1959

Thomas E. Kottan
Notary Public

STATE OF Idaho)
COUNTY OF Tanner) ss

The foregoing instrument was acknowledged before me this 26 day of March, 1957, by Marion B. Alexander.

My Commission Expires:

June 1, 1959

Thomas E. Kottan
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST:

W. W. Manning
Secretary

FONDREN OIL COMPANY

By Walter W. Fondren, Jr.
President

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 8th day of March, 1957, by Walter W. Fondren, Jr.

My Commission Expires:

June 1, 1957

R. E. Nunnelee (R. E. Nunnelee)
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

F R Trigg

Luetta Dooche Sloan

STATE OF TEXAS)
COUNTY OF HARRIS) ss.

The foregoing instrument was acknowledged before me this 7th day of JUNE, 1957, by J. M. SLOAN.
My Commission Expires: JUNE 1, 1959
[Signature]
Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS) ss.

The foregoing instrument was acknowledged before me this 7th day of JUNE, 1957, by LOUETTA DOOCHE SLOAN.
My Commission Expires: JUNE 1, 1959
[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

C. A. Wallace
Mary Edna R. Wallace
TR-17-62

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by C. A. Wallace.
My Commission Expires: June 1, 1957
J. W. Warren
Notary Public

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 7th day of March, 1957, by Mary Edna R. Wallace.
My Commission Expires: June 1, 1957
J. W. Warren
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Grace K. Dewart
TB 19-27

STATE OF Texas)
COUNTY OF Navarro) ss

The foregoing instrument was acknowledged before me this 30 day of April, 1957, by Ed Horton & Dewart.
My Commission Expires: 6-1-57
Ed Dewart
Notary Public

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1st day of April, 1957, by Grace K. Dewart.
My Commission Expires: 6-1-57
W. L. Halper
Notary Public

The foregoing instrument was acknowledged before me this 2 day of January, 1957, by James E. McLaughlin
My Commission Expires: 1/1/58
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

William L. Winkelmann
Fannie G. Winkelmann
10. 8. 57

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 8 day of March, 1957, by S. A. Winkelmann.

My Commission Expires:

Notary Public

Notary Public in and for the State of Texas

My Comm. expires 1957

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 8 day of March, 1957, by Fannie G. Winkelmann.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Alfred B. Smith
W. H. Alfred B. Smith

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Alfred B. Smith.

My Commission Expires:
June 1957

Margaret B. Smith
Notary Public

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Alfred B. Smith.

My Commission Expires:

Margaret B. Smith
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Arthur C. Karr
Marion T. Karr

STATE OF California)
COUNTY OF Los Angeles) ss

The foregoing instrument was acknowledged before me this 21 day of March, 1957, by Arthur C. Karr and Marion T. Karr.

My Commission Expires:

My Commission Expires February 15, 1959

Margaret L. Allen
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Adolpho B. B. B.
Adolpho B. B. B.

T.R. 12-22

STATE OF)
COUNTY OF) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

STATE OF)
COUNTY OF) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

STATE OF Nebraska)
COUNTY OF Lincoln) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by _____.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Mr. Elva K. Dumas

T.C. 19-22

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 51st day of March, 1957, by Elva K. Dumas, a feme sole.
My Commission Expires: (Guy E. Smith)
June 1st, 1957 Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Carl G. Fridley _____
Vera B. Fridley _____

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Carl G. Fridley and Vera B. Fridley.

My Commission Expires:

June 1, 1957

Ruth Williams
Notary Public
Ruth Williams, Notary Public in and
for Harris County, Texas

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

TR: 19-22

William J. Davis
Blaise D. Davis
his wife

STATE OF Texas }
COUNTY OF Galveston } ss

The foregoing instrument was acknowledged before me this 11th day of April, 1957, by William J. Davis.
My Commission Expires: June 1, 1957
Wm. Dickinson
Notary Public

STATE OF Texas }
COUNTY OF Galveston } ss

The foregoing instrument was acknowledged before me this 11th day of April, 1957, by Blaise D. Davis.
My Commission Expires: June 1, 1957
Wm. Dickinson
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LAND IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST: *W. Lewis*
Assistant-Cashier

Texas National Bank of Houston, Trustee
BY: *Arthur J. [Signature]*
Vice-President and Trust Officer

STATE OF *Illinois*)
COUNTY OF *Marion*) ss

The foregoing instrument was acknowledged before me this *12th* day of *April*, 1957, by *Arthur J. [Signature]*
My Commission Expires: *June 1, 1958*

Arthur J. [Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Douglas E. Johnston
Barbara L. Johnston

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 6th day of March, 1957, by Douglas E. Johnston.

My Commission Expires:

6-1-1957

[Signature]
Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 6th day of March, 1957, by Barbara L. Johnston.

My Commission Expires:

6-1-1957

[Signature]
Notary Public

NOTARY PUBLIC ACKNOWLEDGMENT
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

[Signature]
[Signature]

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Donald E. Fagan Donald E. Fagan

STATE OF TEXAS)
COUNTY OF TARRANT) ss

The foregoing instrument was acknowledged before me this 22nd day of March, 1957, by Mrs. Donald E. Fagan.

My Commission Expires:
6-1-57

J. Z. Stovall
Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 22nd day of March, 1957, by Donald E. Fagan.

My Commission Expires:
6-1-57

Charles W. Johnson
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Albert E. Fagan
Lorna M. Fagan

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Albert E. Fagan.

My Commission Expires: _____

Notary Public, State of Texas
My Commission Expires June 1, 1957
Lorna M. Fagan
Notary Public

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Lorna M. Fagan.

My Commission Expires: _____

Notary Public, State of Texas
My Commission Expires June 1, 1957
Lorna M. Fagan
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST:

Secretary

PETRO-MINERALS, INC.

Vice-President

STATE OF _____)
COUNTY OF _____) ss

STATE OF TEXAS :

COUNTY OF HARRIS :

The foregoing instrument was acknowledged before me this 1st day of June, 1957, by L. H. [illegible], Vice-President of PETRO-MINERALS, INC., a Delaware Corporation, and [illegible].

My Commission Expires:

[Signature]

[Signature]
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

TR 12-22

W. E. Carlsberg
W. E. Carlsberg
W. E. Carlsberg

STATE OF Texas }
COUNTY OF Harris } ss

The foregoing instrument was acknowledged before me this 10th day of March, 1957, by W. E. Carlsberg, W. E. Carlsberg, W. E. Carlsberg.

My Commission Expires:
6-1-57

W. E. Carlsberg
Notary Public
MIDLAND - DALEHERTY
Notary Public

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST:

J. M. White
Notary Public

The First National Bank of Fort Worth

Fred Holland
Vice-President and Trust Officer

THE STATE OF TEXAS)
)
COUNTY OF TARRANT)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared FRED HOLLAND, Vice-President and Trust Officer of The First National Bank of Fort Worth, known to me to be the person and officer whose name is subscribed to the foregoing instrument, and acknowledged to me that the same was the act of the said The First National Bank of Fort Worth, a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed and in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 12th day of April,

A. D., 1957.

(Audna Besse)

Audna Besse
Notary Public, Tarrant County, Texas.
My commission expires June 1, 1957.

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Ralph A. Johnston
M. M. Johnston
Murrell M. Johnston

STATE OF Texas)
COUNTY OF Harris) ss

The foregoing instrument was acknowledged before me this 21st day of March, 1957, by Ralph A. Johnston and wife, Murrell M. Johnston
My Commission Expires: 6-1-57

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

V. C. Johnston

STATE OF Texas }
COUNTY OF Crosby } ss

The foregoing instrument was acknowledged before me this 21 day of March, 1957, by V. C. Johnston.

My Commission Expires: June 1, 1957.

Margery M. Reynolds
Notary Public (MARGERY M. REYNOLDS)

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ *Wm. Willie Johnston*

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this 2 day of March, 1957, by Wm. Willie Johnston.

My Commission Expires:
March 15, 1958

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Orville Rogers
Lillian Leona Rogers
T-22

STATE OF TEXAS)
COUNTY OF DALLAS) ss

The foregoing instrument was acknowledged before me this 17 day of MARCH, 1957, by ORVILLE C. ROGERS

My Commission Expires:

March 1, 1957

Joseph W. Bailey Jr.
Notary Public

STATE OF TEXAS)
COUNTY OF DALLAS) ss

The foregoing instrument was acknowledged before me this 11 day of MARCH, 1957, by LILLIAN LEONA ROGERS

My Commission Expires:

March 1, 1957

Joseph W. Bailey Jr.
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Frank Gifford
7.12.19 22

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____
Notary Public

UNITED STATES ARMY
OFFICE OF THE ADJUTANT GENERAL
WASHINGTON, D. C. 20315

THIS CERTIFICATE OF THE ADJUTANT GENERAL, DATED APRIL 1957, IS BY

on this the 14th day of April, 1957,

before me, E. K. Snyder, the undersigned officer,

personally appeared Wava Jean Gibbard, known to me to be the dependent wife of Frank Gibbard, a dependent of the Army Civilian, accompanying and serving with the Armed Forces overseas and subject to the Uniform Code of Military Justice, and to be the person whose name is subscribed to the within instrument and acknowledged that she executed the same for the purpose therein contained. And the undersigned does further certify that he is at the date of this certificate a commissioned officer of the rank and serial number stated below and is in the active service of the Armed Forces of the United States.

E. K. Snyder
(Signature of Officer)

1st Col JAGG
(Rank) (Status under U. S. J.)

043280
(Serial Number of Officer)

UNITED STATES ARMY CONSTRUCTION ENGINEER, 1st Class, SSG 751, 1st Army

On this the 14th day of April, 1957,

before me, E. K. Snyder, the undersigned officer,

personally appeared Frank Gibbard, known to me to be a dependent of the Army Civilian, accompanying and serving with the Armed Forces overseas and subject to the Uniform Code of Military Justice, and to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained. And the undersigned does further certify that he is at the date of this certificate a commissioned officer of the rank and serial number stated below and is in the active service of the Armed Forces of the United States.

E. K. Snyder
(Signature of Officer)

1st Col
(Rank) (Status under U. S. J.)

043280
(Serial Number of Officer)

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Betty B. Meade
John I. Meade

1957-4-22

STATE OF Nebraska)
COUNTY OF Jefferson) ss

The foregoing instrument was acknowledged before me this 14 day of March, 1957, by Betty B. Meade and husband, John I. Meade.
My Commission Expires: 6-1-57

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

[Signature] John H. Wynne

COUNTY OF Barro

The foregoing instrument was acknowledged before me this 14th day of March, 1957, by John A. Wilson.

My Commission Expires: June 1, 1957

Hester Lawrence
Notary Public

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ W. P. Anderson
_____ TR:19-22

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 16 day of March, 1957, by Alma Beason Anderson.

My Commission Expires:

June 1, 1957

Notary Public in and for
Harris County, Texas.

STATE OF TEXAS)
COUNTY OF HARRIS) ss

The foregoing instrument was acknowledged before me this 16 day of March, 1957, by M. P. Anderson.

My Commission Expires:

June 1, 1957

Notary Public in and for
Harris County, Texas.

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also be the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this 11th day of July, 1957, by William J. Goodenough.
My Commission Expires: June 1, 1957
Ernest R. Hamilton
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Wilbur H. Frederking

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this 11th day of July, 1957, by Wilbur H. Frederking.

My Commission Expires:

June 1, 1959

Sarah F. Houston
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

George E. May
Josephine E. May
7/11/57

STATE OF TEXAS)
COUNTY OF POTTER) ss

The foregoing instrument was acknowledged before me this 13 day of March, 1957, by George E. May.

My Commission Expires:

June 1, 1957

R. H. Rogers Notary Public
ers

STATE OF TEXAS)
COUNTY OF POTTER) ss

The foregoing instrument was acknowledged before me this 13 day of March, 1957, by Josephine E. May.

My Commission Expires:

June 1, 1957.

R. H. Rogers Notary Public
ers

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

H. J. Cole

STATE OF Texas)
COUNTY OF Potter) ss

The foregoing instrument was acknowledged before me this 27th day of March, 1957, by *H. J. Cole*.

My Commission Expires: June 1, 1957

Notary Public

STATE OF Texas)
COUNTY OF Potter) ss

The foregoing instrument was acknowledged before me this 27th day of March, 1957, by H. J. Cole, a single man.

My Commission Expires: June 1, 1957

H. J. Cole

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Blanche Calhoun

_____ TR: 23

STATE OF Texas)
COUNTY OF Potter) ss

The foregoing instrument was acknowledged before me this 13th day of March, 1957, by Blanche Calhoun.

My Commission Expires:
June 1st, 1957

Gail Dale
Notary Public
Gail Dale

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Thomas B. Kenna
William W. Schaumburg

Jane E. Mc Kenna, his wife
William W. Schaumburg

STATE OF New Mexico)
COUNTY OF San Juan) ss

The foregoing instrument was acknowledged before me this 26th day of March, 1957, by Thomas B. Kenna and Jane E. Mc Kenna.
My Commission Expires: 7-13-58
Robert L. Jensen
Notary Public

STATE OF New Mexico)
COUNTY OF San Juan) ss

The foregoing instrument was acknowledged before me this 26th day of March, 1957, by William W. Schaumburg and Jane E. Mc Kenna.
My Commission Expires: 7-13-58
Robert L. Jensen
Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ *Ernest D. White*
_____ *Blanche V. White*

STATE OF NEW MEXICO)
COUNTY OF CHAVES) ss.

The foregoing instrument was acknowledged before me this 9 day of JULY, 1957, by ERNEST D. WHITE AND BLANCHE V. WHITE, HIS WIFE

My Commission Expires:

5-25-58

James D. [Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

W. R. Zachary
W. R. Zachary

STATE OF New Mexico)
COUNTY OF Bernalillo) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

My Commission Expires March 17, 1959

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

EXCEPTING herefrom, any and all leasehold, royalty or other interest in the lands or minerals owned or claimed by the undersigned, on, in or under the following described land, to-wit:

Section 7: Lots 7, 8, 9 and 10;
Section 8: Lots 1, 2, 7 and 8;

all in Township 23 North, Range 12 West, N.M.P.M., and embraced in United States of America Oil and Gas Lease dated November 1, 1954, bearing New Mexico Serial Number 015535, Tom Bolack, Lessee.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Eugenia Bate
Claude Bate

Mary C. Burton
John H. Burton
Birton C. Barnes
P.O. Box 1421 Santa Fe,
New Mex.

STATE OF NEW MEXICO)
COUNTY OF SANTA FE) ss

The foregoing instrument was acknowledged before me this 5th day of June, 1957, by Eugenia Bate, Claude Bate, Mary C. Burton, Birton C. Barnes, and John H. Burton.

My Commission Expires:

Jason W. Kallali
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Harvey H. Hight Betty Ruth Wright

STATE OF New Mexico)
COUNTY OF Santa Fe) ss.

The foregoing instrument was acknowledged before me this 15th day of July, 1957, by Harvey H. Hight and Betty Ruth Wright, his wife.

My Commission Expires:

18-6-1

Robert J. Hight
Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ TR. 37

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____
My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____
My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

STATE OF New Mexico)
COUNTY OF San Juan) ss

The foregoing instrument was acknowledged before me this 24th day of April, 1957, by George Foster and Edith R. Foster, his wife.

My Commission Expires: December 13, 1957

James M. Leach
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Al Greer
Fay Greer

504 South Main, Aztec, N.M.
" " " " "
TR. 40

STATE OF New Mexico)
COUNTY OF San Juan) ss

The foregoing instrument was acknowledged before me this 24th day of April, 1957, by AL GREER & FAY GREER.

My Commission Expires:

My Commission Expires May 28, 1960

[Signature]
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ Ray L. Atchison
Miss J. Atchison
TR: 40

STATE OF New Mexico }
COUNTY OF San Juan } ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by Ray L. Atchison & Miss J. Atchison in conj.

My Commission Expires:

[Signature]
Notary Public

My Commission Expires: [blank]

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires:

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

STATE OF NEW MEXICO)
COUNTY OF SAN JUAN) SS

The foregoing instrument was acknowledged before me this 15th day of March, 1957, by Harold Montgomery & Florence L. Montgomery

My Commission Expires: September 15, 1957.

Louise A. DeWitt
Notary Public

STATE OF _____)
COUNTY OF _____) 33

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, the instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Richard M. Tanner
Richard M. Tanner

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

The foregoing instrument was acknowledged by this 1st day of March, 1957, by RICHARD M. TANNER
KPA NAWITTER, his wife.
My Commission Expires:
October 22, 1958

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged by _____ day of _____, 1957, by _____
My Commission Expires: _____

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

_____ James A. Tadlock
Mary B. Tadlock
TP 40

STATE OF New Mexico }
COUNTY OF Santa Fe } ss

The foregoing instrument was acknowledged before me this 11th day of March, 1957, by _____.

My Commission Expires: _____

Robert L. Davis
Notary Public

STATE OF _____ }
COUNTY OF _____ } ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

Gilbert Archuleta
Marah M. Archuleta

T.P. 40

STATE OF New Mexico)
COUNTY OF Santa Fe) ss

The foregoing instrument was acknowledged before me this 1st day of March, 1957, by _____.

My Commission Expires: _____

Livia M. Wilburn
Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____.

My Commission Expires: _____

Notary Public

CONSENT AND RATIFICATION
TANNER UNIT AGREEMENT
EMBRACING LANDS IN SAN JUAN COUNTY, NEW MEXICO

The undersigned (whether one or more) hereby acknowledge receipt of a copy of the Unit Agreement for the Development and Operation of the Tanner Unit Area embracing lands situated in San Juan County, New Mexico, which said agreement is dated the 1st day of March, 1957, and acknowledge that they have read the same and are familiar with the terms and conditions thereof. The undersigned also being the owners of the leasehold, royalty or other interest in the lands or minerals embraced in said unit area, as indicated on the schedule attached to said Unit Agreement as Exhibit "B", do hereby commit all of their said interest to the Tanner Unit Agreement and do hereby consent thereto and ratify all of the terms and provisions thereof, exactly the same as if the undersigned had executed the original of said Unit Agreement or a counterpart thereof.

IN WITNESS WHEREOF, this instrument is executed by the undersigned as of the date set forth in their respective acknowledgments.

ATTEST: Herbert A. Holt
Herbert A. Holt, Secretary

UNITED WESTERN MINERALS COMPANY
By: Alva A. Simpson, Jr.
Alva A. Simpson, Jr., President
TR-41

STATE OF _____)
COUNTY OF NEW MEXICO) ss.

SANTA FE

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____ 26

June _____ **Alva A. Simpson, Jr., President, on behalf**
My Commission Expires: _____ **of United Western Minerals Company**
Notary Public

February 27, 1961

STATE OF _____)
COUNTY OF _____) ss.

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____

My Commission Expires: _____

Notary Public

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE TANNER UNIT AREA, TOWNSHIPS 23
AND 24 NORTH, RANGE 12 WEST, SAN JUAN COUNTY, NEW MEXICO

Tract Number	Description	No. of Acres	Ser. No. & Date of Lease or Application	Basic Royalty & Percentage	Lessee of Record	Overriding Royalty & Percentage	Working Interest & Percentage*
FEDERAL LANDS							
1.	<u>T-23-N, R-12-W</u> Sec. 18: Lots 3, 4, E½SW¼ Sec. 19: Lots 5 thru 12, incl., (N½)	485.42	SF-078221 12-1-47	USA 12½%	Harold Kogan	None	Harold Kogan
2.	<u>T-24-N, R-12-W</u> Sec. 30: Lots 5 thru 20, incl., (All) Sec. 31: Lots 5 thru 20, incl., (All) Sec. 33: Lots 1 thru 16, incl., (All) Sec. 34: Lots 1 thru 16, incl., (All)	2720.58	SF-078379 5-1-48	USA 12½%	Ruth C. Fritts	Robert Donnell	5% Humble Oil & Refining Company
3.	<u>T-24-N, R-12-W</u> Sec. 25: Lots 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14 Sec. 26: Lots 1 thru 16, incl., (All) Sec. 28: Lots 1 thru 16, incl., (All) Sec. 29: Lots 1 thru 16, incl., (All)	2527.76	SF-078380 12-1-47	USA 12½%	Ruth C. Fritts	Robert Donnell	5% Humble Oil & Refining Company

EXHIBIT "B" (Continued)

4.	<u>T-24-N, R-12-W</u> Sec. 23: Lots 1 thru 16, incl., (All)	685.77	SF-078549 6-1-49	USA 12 1/2%	Bill R. Vanderslice Southern Union Gas Company	1/2 1/2	Dena Gieson Riddle Robert Katson R. E. Williford Ted M. White H. L. Fannin, Jr.	1 1/2 2 1/2 .3333% .3333% .3333%	Southern Union Gas Company Smith Drilling Co. Beaver Lodge Oil Corporation Ted M. White R. E. Williford H. L. Fannin, Jr.	1/2 1/4 1/20 1/15 1/15 1/15
5.	<u>T-24-N, R-12-W</u> Sec. 35: Lots 1 thru 16, incl., (All)	685.52	SF-078686 4-1-48	USA 12 1/2%	Kathryn B. Richardson		Robert E. McKee, General Contractor, Inc. \$1000 per acre out of 5%		Humble Oil & Refining Company	
6.	<u>T-24-N, R-12-W</u> Sec. 24: Lots 2, 4, 6, 8, 10, 12, 14, & 16	344.91	SF-078969-A 2-1-48	USA 12 1/2%	Three States Natural Gas Company		J. C. Fincher Fort Worth National Bank, Trustee and Helen M. Kolliker Grace Kramer Ernest George H. Smith	1.25% .625% .625% .500%	Three States Natural Gas Company	
7.	<u>T-24-N, R-12-W</u> Sec. 24: Lots 3, 15	86.07	SF-078969-A 2-1-48	USA 12 1/2%	Three States Natural Gas Company		J. C. Fincher Fort Worth National Bank, Trustee and Helen M. Kolliker Grace Kramer Ernest George H. Smith	1.25% .625% .625% .500%	Beaver Lodge Oil Corp. Down to 4,635' - All Three States Natural Gas Company - Below 4,635' - All	

EXHIBIT "B" (Continued)

7a. T-24-N, R-12-W
Sec. 24; Lots 1, 7

86.76

SF-078969-A
2-1-48

USA
12 1/2%

Three States Natural
Gas Company

J. C. Fincher
Fort Worth National
Bank, Trustee and
Helen M. Kolliker
R. E. Williford
Ted M. White
H. L. Fannin, Jr.
Grace Kramer Ernest
George H. Smith

.625%
.850%
.850%
.850%
.625%
.500%

1.25%

Smith Drilling Company

7b. T-24-N, R-12-W
Sec. 24; Lot 5

43.02

SF-078969-A
2-1-48

USA
12 1/2%

Three States Natural
Gas Company

J. C. Fincher
Fort Worth National
Bank, Trustee and
Helen M. Kolliker
R. E. Williford
Ted M. White
H. L. Fannin, Jr.
Grace Kramer Ernest
George H. Smith

.625%
.850%
.850%
.850%
.625%
.500%

1.25%

Harold S. Bowman

7c. T-24-N, R-12-W
Sec. 24; Lot 11

42.93

SF-078969-A
2-1-48

USA
12 1/2%

Three States Natural
Gas Company

J. C. Fincher
Fort Worth National
Bank, Trustee and
Helen M. Kolliker
R. E. Williford
Ted M. White
H. L. Fannin, Jr.
Grace Kramer Ernest
George H. Smith

.625%
.850%
.850%
.850%
.625%
.500%

1.25%

Hugh McMillan

EXHIBIT "B" (Continued)

7d.	<u>T-24-N, R-12-W</u> Sec. 24: Lots 9, 13	86.13	SF-078969-A 2-1-48	USA 12 $\frac{1}{2}$ %	Three States Natural Gas Company	J. C. Fincher Fort Worth National Bank, Trustee and Helen M. Kolliker Grace Kramer Ernest George H. Smith	1.25% .625% .625% .500%	R. E. Williford Ted M. White H. L. Fannin, Jr.	1/3 1/3 1/3
8.	<u>T-23-N, R-12-W</u> Sec. 26: All Sec. 34: E $\frac{1}{2}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	1160.00	SF-079155 5-1-48	USA 12 $\frac{1}{2}$ %	Pubco Petroleum Corporation	Thelma M. Graham Noah Spatter Jessie Maude Keys	1% 3% 1%	Pubco Petroleum Corporation	
9.	<u>T-23-N, R-12-W</u> Sec. 28: NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	280.00	SF-079155-A 5-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Thelma M. Graham Noah Spatter, \$1000 per acre out of 3% Jessie Maude Keys	1% 1%	Humble Oil & Refining Company	
10.	<u>T-23-N, R-12-W</u> Sec. 23: Lots 1, 2, 7 & 8, SE $\frac{1}{4}$ Sec. 24: Lots 1 thru 8, incl., S $\frac{1}{2}$ (All)	974.92	SF-079179 9-1-48	USA 12 $\frac{1}{2}$ %	Texas National Petroleum Co.** R. E. Beamon	Jose E. Armijo Carl W. Ilfeld	1.25% 1.25%	Texas National Petroleum Company R. E. Beamon	5/6 1/6
10a.	<u>T-23-N, R-12-W</u> Sec. 23: Lots 3, 4, 5, 6, SW $\frac{1}{4}$	324.91	SF-079179-A 9-1-48	USA 12 $\frac{1}{2}$ %	Humble Oil & Refining Company	Jose E. Armijo Carl W. Ilfeld	1.25% 1.25%	Humble Oil & Refining Company	

EXHIBIT "B" (Continued)

11.	<u>T-23-N, R-12-W</u> Sec. 17: Lot 11, $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ (SW $\frac{1}{4}$) Sec. 18: Lots 5 and 6, E $\frac{1}{2}$ NE $\frac{1}{4}$ (NE $\frac{1}{4}$) Sec. 20: Lots 3, 4, 5, 6, 11, 12, 13, 14, (W $\frac{1}{2}$) Sec. 21: Lots 11, 12, 13, 14 (SW $\frac{1}{4}$)	822.58	SF-079200 8-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	J. Felix Hickman	5%	Humble Oil & Refining Company
12.	<u>T-23-N, R-12-W</u> Sec. 22: Lots 9 thru 16, Incl. (S $\frac{1}{2}$)	329.64	SF-079532 9-1-48	USA 12 $\frac{1}{2}$ %	Tennessee Gas Trans- mission Company	David L. Mills	2 $\frac{1}{2}$ %	Tennessee Gas Transmission Company
13.	<u>T-23-N, R-12-W</u> Sec. 22: Lots 1 thru 8, Incl. (N $\frac{1}{2}$)	331.67	SF-079532-A 9-1-48	USA 12 $\frac{1}{2}$ %	E. R. Richardson	Wylie J. Smith Joe M. Bonfield F. E. Chartier E. R. Richardson	1 $\frac{1}{2}$ % 5/8% 5/8% 2 $\frac{1}{2}$ %	Humble Oil & Refining Company
14.	<u>T-23-N, R-12-W</u> Sec. 12: Lots 1 thru 16, Incl., (All)	674.32	SF-079534 9-1-48	USA 12 $\frac{1}{2}$ %	Tennessee Gas Trans- mission Company	David L. Mills	2 $\frac{1}{2}$ %	Tennessee Gas Transmission Company
15.	<u>T-23-N, R-12-W</u> Sec. 13: Lots 1 thru 16, Incl. (All) Sec. 14: Lots 1 thru 8, Incl., NW $\frac{1}{4}$	1158.60	SF-079619 9-1-48	USA 12 $\frac{1}{2}$ %	Tennessee Gas Trans- mission Company	David L. Mills	2 $\frac{1}{2}$ %	Tennessee Gas Transmission Company
16.	<u>T-23-N, R-12-W</u> Sec. 1: Lots 5 thru 20, Incl., (All)	684.88	SF-079674 9-1-48	USA 12 $\frac{1}{2}$ %	Herman A. Bishop and Joe J. Klabzuba	None		Herman A. Bishop Joe J. Klabzuba

EXHIBIT "B" (Continued)

17.	<u>T-23-N, R-12-W</u> Sec. 6: Lots 8 thru 23, Incl. (A11)	679.36	SF-079674-A 9-1-48	USA 12 3 %	Texas National Petroleum Company** R. E. Beamon	5/6 1/6	Joe J. Kibben Herman A. Bishop William E. Bishop	2 1 % 2 7 % 3 8 %	Texas National Petroleum Company R. E. Beamon	5/6 1/6
18.	<u>T-24-N, R-12-W</u> Sec. 27: Lots 1 thru 16, Incl. (A11)	686.42	SF-079680 11-1-47	USA 12 3 %	Paul F. Catterson		Martin A. Pierce Charles J. Finkbea	1 4 % 1 2 %	Gulf Oil Corporation	
19.	<u>T-24-N, R-12-W</u> Sec. 19: Lots 5 thru 12, Incl. (N 1 / 2)	336.66	SF-079709-A 2-1-50	USA 12 3 %	R. E. Beamon** Texas National Petroleum Company	1/6 5/6	Dan W. Johnston T. J. Ahern E. W. Ingram Henry M. Brown Estate Richard L. Davidson, Jr. Wilbur E. Hess Homer E. Ley James E. Mavor R. E. Beamon, III E. F. Kalb Hugh G. Alexander Fondren Oil Co. J. M. Sloan C. S. Wallace Hortense E. Davant & Grace K. Davant Harry B. Botts S. A. Winkelmann Alfred B. Smith Arthur C. Karr Dorothy Elizabeth Bahn Jack Neveleff Mrs. Elva K. Lomas Earl G. Fridley	.249933% .253567% .160972% .241455% .072137% .152923% .072437% .072437% .098048% .040242% .040242% .040242% .020120% .020122% .080486% .040243% .040242% .040242% .040242% .020120% .060363% .040242% .008049%	Texas National Petroleum Company R. E. Beamon	5/6 1/6

EXHIBIT "B" (Continued)

19. Continued

Waters S. Davis, Jr.
Gladys D. Davis
Texas National Bank
of Houston, Trustee
Douglas E. Johnston
L. A. Nordan
Donald E. Fagan
Albert E. Fagan
Petro-Minerals, Inc.
L. C. Oldham, Jr.
Lyle E. Carbaugh
Gladys Watford
E. R. Richardson
First National Bank
of Fort Worth,
Trustee
Ralph A. Johnston
V. A. Johnston
Mrs. Willie Johnston
Lillie Leona Rogers
Orville C. Rogers
Veva Jean Gibbard
Betty B. Meade
John H. Wymne
Alma Beamon Anderson
R. E. Beamon
Wilbur H. Frederick
Charles S. Alexander

.0402435
.0201205
.0201205
.0804865
.0804865
.0804865
.0160975
.0643885
.0804845
.0273655
.0128775
.0201215
.0201215
.0437835
.0194585
.0194585
.0194585
.0364865
.0364865
.0364865
.0201205
.0804865
.2832655
.5665305
Unknown
Unknown

20. T-24-N, R-12-W
Sec. 19: Lots 13 thru
20, incl. (S½)

336.90

SF-079709-B
2-1-50

USA
12½%

R. E. Beamon**
Texas National
Petroleum Co.

1/6
5/6

Texas National
Petroleum Co.
R. E. Beamon

5/6
1/6

21. T-24-N, R-12-W
Sec. 21: Lots 9 thru
16, incl. (S½)

343.06

SF-079712-C
11-1-48

USA
12½%

Humble Oil & Refining
Company

Humble Oil &
Refining Company

Don W. Johnston
T. J. Ahern
E. W. Ingram
Henry M. Brown Estate
Richard L. Davison, Jr.

.2499935
.2535675
.1609725
.2414555
.0724375

EXHIBIT "B" (Continued)

21. Continued

Wilbur E. Hess	.152923%
Homer E. Ley	.072437%
James E. Mavor	.072437%
R. E. Beamon, III	.008048%
E. F. Kalb	.040242%
Hugh C. Alexander	.040242%
Fondren Oil Company	.040242%
J. M. Sloan	.020120%
C. S. Wallace	.020122%
Hortense E. Davant and	
Grace K. Davant	.080486%
Harry B. Botts	.040243%
S. A. Winkelmann	.040242%
Alfred B. Smith	.040242%
Arthur C. Karr	.040242%
Dorothy Elizabeth Bahn	.020120%
Jack Neveleft	.060363%
Mrs. Elva K. Dumas	.040242%
Earl G. Bridley	.008049%
Waters S. Davis, Jr.	.040243%
Gladys D. Davis	.020120%
Texas National Bank of	
Houston, Trustee	.020120%
Douglas E. Johnston	.080486%
L. A. Nordan	.080486%
Donald E. Fagan	.016097%
Albert E. Fagan	.064388%
Petro-Minerals, Inc.	.080484%
L. C. Oldham, Jr.	.027365%
Lyle H. Carbaugh	.012877%
Gladys Watford	.020121%
E. R. Richardson	.020121%
First National Bank of	
Fort Worth, Trustee	.439353%
Ralph A. Johnston	.109838%
V. A. Johnston	.109838%
Mrs. Willie Johnston	.109838%
Lillie Leona Rogers	.036613%

EXHIBIT "B" (Continued)

21. Continued

Orville C. Rogers .036613%
 Veva Jean Gibbard .036613%
 Betty B. Meade .020120%
 John H. Wynne .080486%
 Alma Beamon Anderson .283265%
 R. E. Beamon .566530%
 Wilbur H. Frederick Unknown
 Charles S. Alexander Unknown

22. T-24-N, R-12-W 1024.68

Sec. 20: Lots 1 thru 16 incl. (All) USA 12 1/2%

R. E. Beamon** Texas National Petroleum Co. 1/6 5/6

Same as Tract 21

Texas National Petroleum Co. 5/6
 R. E. Beamon 1/6

Sec. 21: Lots 1 thru 8 incl. (N 1/2)

23. T-23-N, R-12-W 2519.28

Sec. 3: Lots 5 thru 16 incl. USA 12 1/2%

E. R. Richardson

George E. May 1%
 Hubert Cole 1%
 Blanche Calhoun 1%

Humble Oil & Refining Company

Sec. 4: Lots 5 thru 20 incl. (All)

Sec. 9: Lots 1, 2, 3, 4, SW 1/4, E 1/2 (All)

Sec. 10: Lots 1 thru 8 incl. (W 1/2)

Sec. 5: Lots 5 thru 12 incl. (N 1/2)

23a. T-23-N, R-12-W 167.35

Sec. 7: Lots 13, 14, 19 SE 1/4, SE 1/4 (SE 1/4) USA 12 1/2%

Bad Title - Lease ownership not determined
 Several Claimants - case on appeal to BLM

EXHIBIT "B" (Continued)

24.	<u>T-23-N, R-12-W</u> Sec. 18: SE $\frac{1}{4}$	160.00	NM-06612 12-1-51	USA 12 $\frac{1}{2}$ %	E. R. Richardson	J. P. Schaumburg Thomas F. McKenna	1 $\frac{1}{2}$ % 1 $\frac{1}{2}$ %	Humble Oil & Refining Company
25.	<u>T-23-N, R-12-W</u> Sec. 30: Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	635.32	NM-010765 12-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Ermett D. White \$1000 per acre out of 3%		Humble Oil & Refining Company
26.	<u>T-23-N, R-12-W</u> Sec. 28: NW $\frac{1}{4}$	160.00	NM-011698 5-1-54	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	W. R. Zachry \$1000 per acre out of 3%		Humble Oil & Refining Company
27.	<u>T-23-N, R-12-W</u> Sec. 15: Lots 1 thru 8, incl. (S $\frac{1}{2}$)	333.66	NM-012010 10-1-53	USA 12 $\frac{1}{2}$ %	E. R. Richardson	M. H. McGrail	3%	Humble Oil & Refining Company
28.	<u>T-24-N, R-12-W</u> Sec. 25: Lots 1, 8, 9, 15 & 16	214.83	NM-012304 12-1-47	USA 12 $\frac{1}{2}$ %	Ruth C. Fritts	Robert Donnell	2%	Humble Oil & Refining Company
29.	<u>T-23-N, R-12-W</u> Sec. 34: S $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{2}$ SW $\frac{1}{4}$	120.00	NM-013490 1-1-54	USA 12 $\frac{1}{2}$ %	Kathryn B. Richardson	Carl X. Richter	5%	Humble Oil & Refining Company
30.	<u>T-23-N, R-12-W</u> Sec. 20: Lots 1, 2, 7, 8, 9, 10, 15, 16 (E $\frac{1}{2}$) Sec. 28: SW $\frac{1}{4}$, SW $\frac{1}{2}$ SE $\frac{1}{4}$	531.08	NM-013490-A 1-1-54	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Carl X. Richter \$1000 per acre out of 3%		Humble Oil & Refining Company

EXHIBIT "B" (Continued)

31.	<u>T-23-N, R-12-W</u> Sec. 7: Lots 15, 16, 17, 18 (SW $\frac{1}{4}$) Sec. 21: Lots 1, 2, 7, 8, 9, 10, 15, 16 (E $\frac{1}{2}$)	497.65	NM-015202 10-1-54	USA 12 $\frac{1}{2}$ %	Ruth C. Fitts	Jack O. Cecil R. A. Crane	1 $\frac{1}{2}$ % 1 $\frac{1}{2}$ %	Humble Oil & Refining Company
32.	<u>T-23-N, R-12-W</u> Sec. 7: Lots 7, 8, 9, 10 (NW $\frac{1}{4}$) Sec. 8: Lots 1, 2, 7, 8 (NE $\frac{1}{4}$)	336.65	NM-015535 11-1-54	USA 12 $\frac{1}{2}$ %	Tom Bolack	None		Tom Bolack
32a.	<u>T-23-N, R-12-W</u> Sec. 5: Lots 13 thru 20, incl. (S $\frac{1}{2}$) Sec. 7: Lots 5, 6, 11 & 12 (NE $\frac{1}{4}$) Sec. 8: Lots 3, 4, 5, 6, 9, 10, 11, 12, 13, 14 & S $\frac{1}{2}$ SW $\frac{1}{4}$ (W $\frac{1}{2}$, SE $\frac{1}{4}$)	1017.62	NM-015535 11-1-54	USA 12 $\frac{1}{2}$ %	Tom Bolack Assignment into Humble Oil & Refining Co. filed for approval	None		Humble Oil & Refining Company
33.	<u>T-24-N, R-12-W</u> Sec. 22: Lots 1 thru 16, incl. (All)	687.07	NM-017777 7-1-55	USA 12 $\frac{1}{2}$ %	E. R. Richardson	Birton C. Barnes E. R. Richardson John Burton Eugenia Bate	1.33% 1% 1.33% 1.33%	Humble Oil & Refining Company

EXHIBIT "B" (Continued)

34.	<u>T-23-N, R-12-W</u> Sec. 19: Lots 13 thru 20, incl. (S $\frac{1}{2}$)	326.29	NM-018254 Application 4-1-55	USA 12 $\frac{1}{2}$ %	Hoover H. Wright.	None	Humble Oil & Refining Company
35.	<u>T-23-N, R-12-W</u> Sec. 31: Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	635.28	NM-020618 Application 9-1-55	USA 12 $\frac{1}{2}$ %	Blanche V. White	Blanche V. White \$300 per acre out of 3%	Humble Oil & Refining Company
36.	<u>T-23-N, R-12-W</u> Sec. 29: All	640.00	NM-023953 8-1-56	USA 12 $\frac{1}{2}$ %	Emmett D. White	Emmett D. White \$500 per acre out of 3%	Humble Oil & Refining Company
37.	<u>T-23-N, R-12-W</u> Sec. 17: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13 Sec. 21: Lots 3, 4, 5, 6	670.57	NM-028092 1-1-57	USA 12 $\frac{1}{2}$ %	J. A. Burch	J. A. Burch	5% Tidewater Oil Company

43 Federal Tracts Containing 27,596.12 Acres or 77.1991% of Unit Area

* Some Federal leases are presently held under Option Agreement
 ** All acreage owned by Texas National Petroleum Company and R. E. Beaman
 will be partially assigned to Humble Oil & Refining Company. Some
 assignments have been filed for approval, but not yet approved.

WITHDRAWN LAND

By a departmental order of July 8, 1931 these lands and other lands were withdrawn from all forms of disposal. By a subsequent departmental order of September 1, 1939, the withdrawal order of July 8, 1931 was cancelled, however, by a separate departmental order also dated September 1, 1939, the described lands and other lands were withdrawn for Indian use and placed under the administration of the Commissioner of Indian Affairs, and have apparently not been used for any purposes and are not subject to leasing under the provisions of the Federal Mineral Leasing Act.

T-23-N, R-12-W

Sec. 25: A11	640.00 Acres
Sec. 27: A11	640.00 Acres
Sec. 33: A11	640.00 Acres
Sec. 35: A11	640.00 Acres

TOTAL - 2,560.00 Acres, 7.1606% of Unit Area

Indian Allotted Land

Tract No.	Description	Acres	Contract No. and Date	Basic Royalty and Allotment No.	Overriding Royalty	Working Interest
364. 38	T-23-N, R-12-W Sec. 18: Lots 1, 2, E $\frac{1}{2}$ NW $\frac{1}{4}$	156.76	None ***	Hostein Sosa	None	Humble Oil & Refining Company
IA.	T-23-N, R-12-W					
	Sec. 2: SE $\frac{1}{4}$	160.00		Indian allotted lieu selections or Exchange Lands - Cannot be Leased - No Ownership		
	Sec. 3: SW $\frac{1}{4}$	160.00	"	"	"	"
	Sec. 10: E $\frac{1}{2}$	320.00	"	"	"	"
	Sec. 11: All	640.00	"	"	"	"
	Sec. 14: NE $\frac{1}{4}$	160.00	"	"	"	"
	Sec. 15: N $\frac{1}{2}$	320.00	"	"	"	"
<u>TOTAL - 1,916.76 Acres, 5.3613% of Unit Area</u>						

Humble Oil & Refining Company was the successful bidder at sale of June 6, 1957 on this tract.
Lease has not been issued.

STATE LANDS

39.	T-24-N, R-12-W Sec. 32: All Sec. 36: All	1280.00	B-11122-1 3-20-44	State 12 3/8%	Standard Oil Company of Texas	None	Standard Oil Company of Texas
40.	T-23-N, R-12-W Sec. 2: Lots 1, 2, 3, 4, S 1/2 SW 1/4 Sec. 34: All Sec. 32: E 1/2 NE 1/4, SE 1/4, S 1/2 SW 1/4	1438.28	E-4776-2 12-4-50	State 12 3/8%	Humble Oil & Refining Company	W. L. Brimhall George Foster Al Greer Ray L. Atchison Harold Montgomery Richard M. Kranawitter James A. Tadlock Gilbert Archuleta	Humble Oil & Refining Company .600% .600% .600% .300% .300% .275% .275% .050%
41.	T-23-N, R-12-W Sec. 14: All	640.00	E-7377 9-14-53	State 12 3/8%	United Western Minerals Company	None	United Western Minerals Company
42.	T-23-N, R-12-W Sec. 32: W 1/2 NE 1/4, NW 1/4 N 1/2 SW 1/4	320.00	E-7609 11-24-53	State 12 3/8%	Humble Oil & Refining Company	None	Humble Oil & Refining Company

4 State of New Mexico Tracts containing 3,678.28 Acres or 10.2886% of Unit Area

TOTAL:

43 Federal Tracts	27,596.12 Acres	77.1894% of Unit Area
Withdrawn Land	2,560.00 Acres	7.1607% of Unit Area
Indian Allotted Land	1,916.76 Acres	5.3613% of Unit Area
4 State of New Mexico Tracts	3,678.28 Acres	10.2886% of Unit Area
<u>TOTAL TANNER UNIT AREA</u>	<u>35,751.16 Acres</u>	<u>100%</u>

**BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 1213
Order No. 2-005**

**THE APPLICATION OF HUNTER OIL AND
REFINING COMPANY FOR THE APPROVAL
OF ITS TANNER UNIT AGREEMENT
EMBRACING 24,741 ACRES, MORE OR
LESS, LOCATED IN TOWNSHIPS 20 AND
24 NORTH, RANGE 12 WEST, NEPHE, SAN
JUAN COUNTY, NEW MEXICO.**

ORDER OF THE COMMISSION

IN THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on February 27, 1927, at Santa Fe, New Mexico, before Warren W. Haskin, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of March, 1927, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Warren W. Haskin, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

1 That this order shall be known as the

TANNER UNIT AGREEMENT ORDER

2. (a) That the project herein referred to shall be known as the Tanner Unit Agreement and shall hereinafter be referred to as the "Project."

(b) That the Plan by which the project shall be operated shall be embraced in the form of a unit agreement for the development and operation of the Tanner Unit Area, referred to in the Petitioner's petition and filed with said petition, and such plan shall be known as the Tanner Unit Agreement Plan.

Case No. 1212
Order No. 2-025

3. That the Tanner Unit Agreement Plan shall be, and hereby is, approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing in any manner any right, duties or obligations which are now, or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Tanner Unit Agreement, or relative to the production of oil and gas therefrom.

4. (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

TOWNSHIP 23 NORTH, RANGE 12 WEST, NEPM
 Section 1: Lots 8 thru 20 (All)
 Section 2: Lots 1, 2, 3, 4, S/2 E/2, S/2 (All)
 Section 3: Lots 8 thru 16, SW/4 (All)
 Section 4: Lots 8 thru 20 (All)
 Section 5: Lots 8 thru 20 (All)
 Section 6: Lots 8 thru 20 (All)
 Section 7: Lots 8 thru 16, SE/4 SE/4 (All)
 Section 8: Lots 1 thru 14, S/2 SW/4 (All)
 Section 9: Lots 1, 2, 3, 4, NE/4, S/2 (All)
 Section 10: Lots 1 thru 8, E/2 (All)
 Section 11: All
 Section 12: Lots 1 thru 16 (All)
 Section 13: Lots 1 thru 16 (All)
 Section 14: Lots 1 thru 8, E/2 (All)
 Section 15: Lots 1 thru 8, E/2 (All)
 Section 16: All
 Section 17: Lots 1 thru 13, NW/4 SW/4, S/2 SW/4 (All)
 Section 18: Lots 1 thru 6, E/2 NW/4, E/2 NE/4, E/2 SW/4, SE/4 (All)
 Section 19: Lots 8 thru 20 (All)
 Section 20: Lots 1 thru 16 (All)
 Section 21: Lots 1 thru 16 (All)
 Section 22: Lots 1 thru 16 (All)
 Section 23: Lots 1 thru 8, S/2 (All)
 Section 24: Lots 1 thru 8, S/2 (All)
 Sections 25 thru 26: All
 Section 27: Lots 1, 2, 3, 4, E/2, E/2 W/2 (All)
 Section 28: Lots 1, 2, 3, 4, E/2, E/2 W/2 (All)
 Sections 29 thru 30: All

TOWNSHIP 24 NORTH, RANGE 12 WEST, NEPM
 Section 19: Lots 8 thru 20 (All)
 Section 20: Lots 1 thru 16 (All)
 Section 21: Lots 1 thru 16 (All)
 Section 22: Lots 1 thru 16 (All)
 Section 23: Lots 1 thru 16 (All)
 Section 24: Lots 1 thru 16 (All)

-3-
 Case No. 1518
 Order No. 2-008

TOWNSHIP 24 NORTH, RANGE 18 WEST, MERIDIAN (continued)	
Section 25: Lots 1 thru 16 (All)	
Section 26: Lots 1 thru 16 (All)	
Section 27: Lots 1 thru 16 (All)	
Section 28: Lots 1 thru 16 (All)	
Section 29: Lots 1 thru 16 (All)	
Section 30: Lots 1 thru 16 (All)	
Section 31: Lots 1 thru 16 (All)	
Section 32: All	
Section 33: Lots 1 thru 16 (All)	
Section 34: Lots 1 thru 16 (All)	
Section 35: Lots 1 thru 16 (All)	
Section 36: All	

containing 26,781 acres, more or less.

(b) The unit area may be enlarged or contracted as provided in said Plan.

5. That the unit operator shall file with the Commission an executed original or executed counterpart of the Tanner Unit Agreement within 30 days after the effective date thereof.

6. That any party owning rights in the unitized substances who does not commit such rights to said unit agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof, or by ratifying the same. The unit operator shall file with the Commission within 30 days an original of any such counterpart or ratification.

7. That this order shall become effective upon the approval of said unit agreement by the Director of the United States Geological Survey and by the Commissioner of Public Lands for the State of New Mexico and shall terminate upon the termination of said unit agreement. The unit operator shall immediately notify the Commission in writing of such termination.

DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO
 OIL CONSERVATION COMMISSION

EDWIN L. MEEHAN, Chairman

MURRAY E. MEEHAN, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

ir/

CERTIFICATE OF APPROVAL

BY COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO

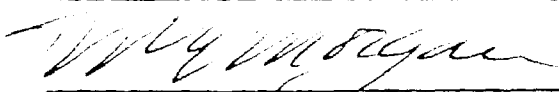
TANNER UNIT AREA, SAN JUAN COUNTY, NEW MEXICO

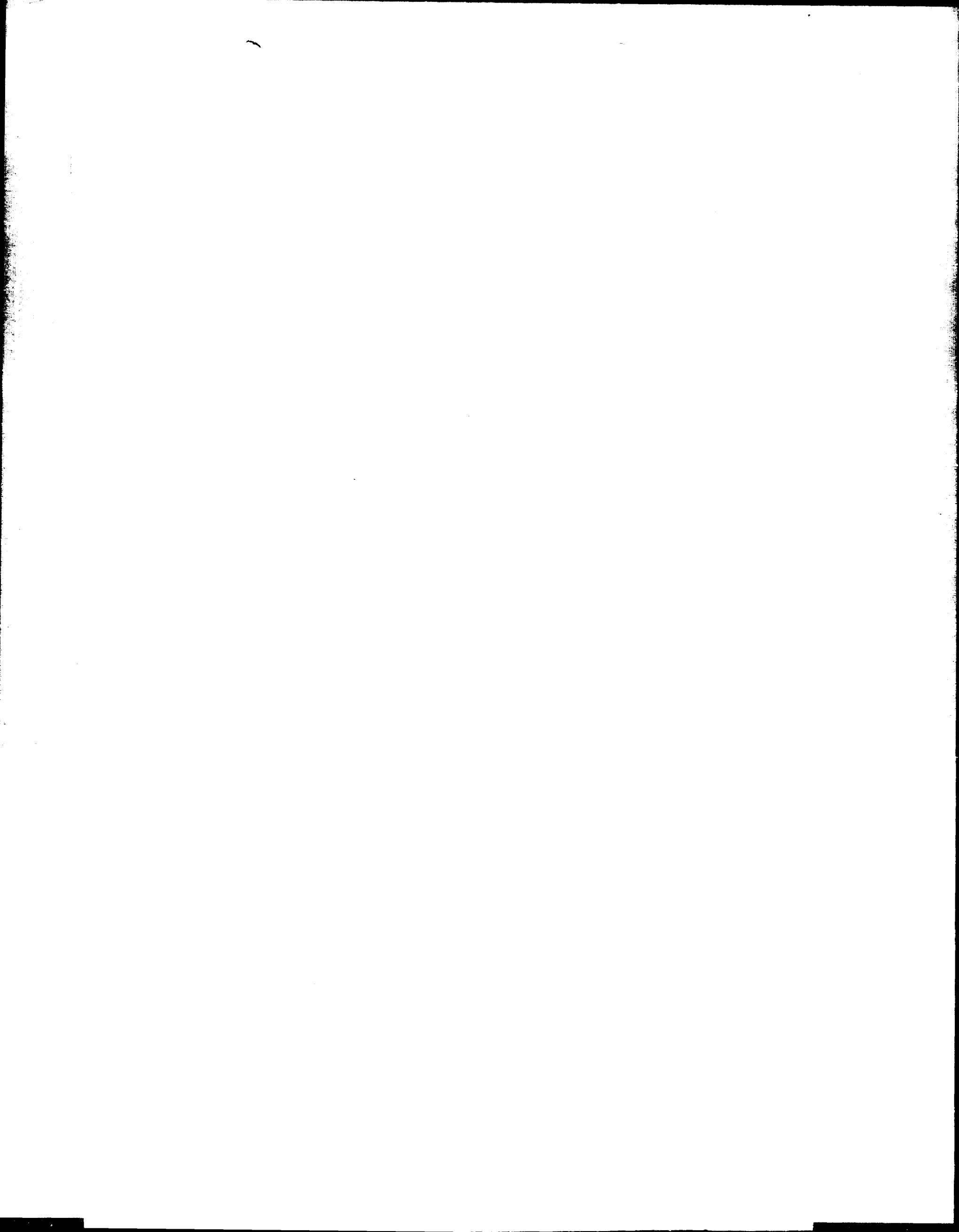
There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, the attached Agreement for the development and operation of acreage which is described within the attached Agreement, dated March 1, 1957, which has been executed or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the state, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 7-11-39, 7-11-40, 7-11-41, 7-11-47, 7-11-48, New Mexico Statutes Annotated 1953 Compilation, I, the undersigned, Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said Agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 18th day of July 1957.


Commissioner of Public Lands
of the State of New Mexico



COPY

HUMBLE OIL & REFINING COMPANY

April 2, 1958

In re: Termination Tanner Unit Agreement
San Juan County, New Mexico

~~United States Geological Survey
Post Office Building
Reswell, New Mexico~~

~~Commissioner of Public Lands
Mabry Hall
Santa Fe, New Mexico
Attention: Unit Division~~

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

Dear Sirs:

As we have previously advised, the No. 1 Tanner Unit Well reached its objective depth prior to the effective date of the Tanner Unit Agreement. This well was not considered as an obligation test well by the U.S.G.S. and a fourth test well should have been begun February 22, 1958. Humble was unsuccessful in having a well drilled and such well was not begun.

We have received an official request from the U.S.G.S. notifying us that the Tanner Unit should be terminated effective February 22, 1958.

This is to advise that we have prepared an official application for termination and at the present time this instrument is being circulated for signature among the various working interest owners. There are some twenty signatures to be obtained and the process of obtaining these signatures will probably consume thirty to forty-five days. We will file the application for termination for your approval as quickly as possible.

Yours very truly,

R. M. Richardson
R. M. Richardson

LRT/ch

MAIN OFFICE OCC

1958 JUL 10 AM 8:29

In reply refer to:
Unit Division

July 9, 1958

Hervey, Dow and Winkle
P. O. Box 547
Roswell, New Mexico

Re: Termination of Tanner Unit
Agreement, San Juan County,
New Mexico

Attention: Mr. Howard C. Bratton
Gentlemen:

We are enclosing eight copies of an instrument for the termination of the Tanner Unit Agreement, containing signatures of various parties to this agreement and one copy of this same instrument, which was executed in counterpart by Putco, H. L. Fannin, Jr. and Mary C. Fannin.

The Commissioner of Public Lands approved this agreement of termination of the Tanner Unit as of July 9, 1958. The termination to be effective as of February 22, 1958.

We have retained one copy of this instrument with various signatures. The copy which you state you will send us when fully executed will complete our file.

Very truly yours,
H. L. Fannin, Jr.
Commissioner of Public Lands

Ed Bilberry, Supervisor
San Juan County

P.O. Box 547
OCC - Roswell

In reply refer to:
Unit Division

March 5, 1956

United States Geological Survey
P. O. Box 6721
Roswell, New Mexico

Re: Tanner Unit Agreement
San Juan County,
New Mexico

Attention: Mr. John Anderson

Dear Sir:

We are enclosing copy of our letter directed to Humble
Oil and Refining Company.

It is the desire of this office that the proper action
be taken to terminate the Tanner Unit, for failure to comply
with Paragraph 9, of the Unit Agreement.

May we hear from you concerning this at your convenience.

Very truly yours,

MURRAY E. MORGAN,
Commissioner of Public Lands

cc:

Les Elliberry, Supervisor
Oil and Gas Division

REM/AMR/4
cc:

Oil Conservation Commission
Santa Fe, New Mexico

In reply refer to:
Unit Division

March 5, 1958

Humble Oil and Refining Company
P. O. Box 1287
Roswell, New Mexico

Re: Tanner Unit Agreement

Attention: Mr. R. M. Richardson

Gentlemen:

We have received a copy of your letter of February 21, 1958, directed to Mr. John Anderson of the United States Geological Survey, at Roswell, New Mexico.

This letter was very enlightening to this office as we had not been informed that your No. 1 well, had been disapproved by the United States Geological Survey as an obligation well.

It seems under Section 9, another well should have been commenced as you stated by February 25, 1958. This office would like to know what extension, if any, has been granted you by the United States Geological Survey, for starting this third test well.

It would seem under the wording of Section 9, the termination for failure to comply with the drilling provisions would have to be a joint action by the direction of the United States Geological Survey and the Land Commissioner, unless the operator terminated the unit voluntarily.

May we hear from you concerning this at your earliest convenience.

Very truly yours,
Stewart L. Johnson,
Commissioner of Public Lands

cc:

Mr. Liberty, Supervisor
Unit Division

WJH:am/s

Enclosure
1 - Mr. Anderson
1 - Mr. Liberty
1 - Mr. Johnson



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

SEP 17 1956

Humble Oil and Refining Company
P. O. Box 1287
Roswell, New Mexico

Gentlemen:

Reference is made to your application filed on August 17, 1956, with the Oil and Gas Supervisor, Roswell, New Mexico, requesting the designation of 35,751.16 acres in San Juan County, New Mexico, as an area logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act, as amended.

Pursuant to the regulations of December 22, 1950; 30 CFR 226.3, the following land is designated as a logical unit area to be known as the Tanner unit area:

SAN JUAN COUNTY, NEW MEXICO

<u>T. 23 N., R. 12 W., N.M.P.M.</u>	<u>ACRES</u>
Sec. 1, lots 5 through 20 (all)	684.56
Sec. 2, lots 1, 2, 3, 4, S $\frac{1}{2}$ S $\frac{1}{2}$, S $\frac{1}{2}$ (all)	635.26
Sec. 3, lots 5 through 16, S $\frac{1}{2}$ (all)	669.14
Sec. 4, lots 5 through 20, (all)	681.19
Sec. 5, lots 5 through 20, (all)	682.13
Sec. 6, lots 3 through 23, (all)	679.36
Sec. 7, lots 5 through 19, S $\frac{1}{2}$ S $\frac{1}{2}$ (all)	670.79
Sec. 8, lots 1 through 14, S $\frac{1}{2}$ S $\frac{1}{2}$ (all)	674.74
Sec. 9, lots 1, 2, 3, 4, W $\frac{1}{2}$, S $\frac{1}{2}$ (all)	650.32
Sec. 10, lots 1 through 8, E $\frac{1}{2}$ (all)	653.52
Sec. 11, all	640.00
Sec. 12, lots 1 through 16 (all)	674.32
Sec. 13, lots 1 through 16 (all)	666.65
Sec. 14, lots 1 through 8, N $\frac{1}{2}$ (all)	651.95
Sec. 15, lots 1 through 8, N $\frac{1}{2}$ (all)	653.66
Sec. 16, all	640.00
Sec. 17, lots 1 through 13, N $\frac{1}{2}$ S $\frac{1}{2}$, S $\frac{1}{2}$ S $\frac{1}{2}$ (all)	685.92
Sec. 18, lots 1 through 6, E $\frac{1}{2}$ S $\frac{1}{2}$, E $\frac{1}{2}$ S $\frac{1}{2}$, E $\frac{1}{2}$ S $\frac{1}{2}$, S $\frac{1}{2}$ (all)	674.11
Sec. 19, lots 1 through 20 (all)	684.11
Sec. 20, lots 1 through 20 (all)	684.11
Sec. 21, lots 1 through 20 (all)	684.11
Sec. 22, lots 1 through 16 (all)	662.21
Sec. 23, lots 1 through 16, S $\frac{1}{2}$ (all)	649.63
Sec. 24, lots 1 through 8, S $\frac{1}{2}$ (all)	650.20

EXHIBIT 'A'

T. 23 N. R. 12 W. N. M. P. M.

Acres

Secs. 25 through 29 (all)	3200.00
Sec. 30, lots 1, 2, 3, 4, E. 1/2 (all)	635.32
Sec. 31, lots 1, 2, 3, 4, E. 1/2 (all)	635.22
Secs. 32 through 36 (all)	3200.00

T. 24 N. R. 12 W. N. M. P. M.

Acres

Sec. 19, lots 5 through 20 (all)	673.51
Sec. 20, lots 1 through 16 (all)	652.16
Sec. 21, lots 1 through 16 (all)	635.51
Sec. 22, lots 1 through 16 (all)	657.07
Sec. 23, lots 1 through 16 (all)	635.77
Sec. 24, lots 1 through 16 (all)	689.82
Sec. 25, lots 1 through 16 (all)	657.48
Sec. 26, lots 1 through 16 (all)	636.34
Sec. 27, lots 1 through 16 (all)	626.42
Sec. 28, lots 1 through 16 (all)	636.34
Sec. 29, lots 1 through 16 (all)	632.43
Sec. 30, lots 5 through 20 (all)	674.53
Sec. 31, lots 5 through 20 (all)	677.97
Sec. 32, all	640.00
Sec. 33, lots 1 through 16 (all)	683.97
Sec. 34, lots 1 through 16 (all)	634.11
Sec. 35, lots 1 through 16 (all)	635.52
Sec. 36, all	640.00

Total 35,751.16

The proposed test program of drilling three wells within the unit area to depths sufficient to test the Dakota Formation is acceptable.

Inasmuch as Indian lands are involved, the proposed form of agreement must be submitted for preliminary approval. The form should contain modifications heretofore approved as applicable to allotted Indian lands. Please mark and number from the standard form or your own form and submit six copies of said form to the Indian and his supervisor, Roswell, New Mexico, for preliminary approval by the Director. In an endorsement by the Indian office, exhibits A and B should be included.

Very truly yours,

John C. Reed

Director

July 12, 1957

In reply refer to:
Unit Division

Hervy, Dow and Hinkle
First National Bank Building
Roswell, New Mexico

Re: Tanner Unit Area -
Tanner Unit Agreement -
San Juan County, N. Mex.

Attention: Mr. Clarence E. Hinkle

Gentlemen:

We are returning to you one original of the Tanner Unit Agreement, which was approved by the Commissioner of Public Lands July 12, 1957, by attached certificate and fourteen additional certificates fully executed.

May we please have a letter from you in regard to Tract No. 11 as to United Western Minerals Company's reason for not committing this acreage to the Tanner Unit.

We are also enclosing Official Receipt No. E-1995 in the amount of \$270.00, which was paid by Humble Oil and Refining Co. for the filing of the Tanner Unit Agreement.

Very truly yours,

MURRAY E. HODGAS
Commissioner of Public Lands

By: Ted R. Hargis, Supervisor
Oil and Gas Department

cc: 100-1000000
enc: 1
cc: 100-1000000

OIL CONSERVATION COMMISSION
P. O. BOX 871
SANTA FE, NEW MEXICO

April 1, 1957

Mr. Clarence Hinkle
Hervey, Dow & Hinkle
P.O. Box 547
Roswell, New Mexico

Dear Sir:

On behalf of your client, Humble Oil & Refining Company, we enclose two copies of Order R-964 and R-965 issued March 29, 1957, by the Oil Conservation Commission in Cases 1212 and 1213, respectively, which were heard on February 27th at Hobbs.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

bp
Encls.

C
O
P
Y

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO

CASE NO. 1213

TRANSCRIPT OF HEARING

FEBRUARY 27, 1957
DEARNLEY-MEIER AND ASSOCIATES
COURT REPORTERS
605 SIMMS BUILDING
TELEPHONE 3-6691
ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
HOBBS, NEW MEXICO
February 27, 1957

IN THE MATTER OF:

CASE No. 1213: Application of Humble Oil & Refining Company
for approval of its proposed Tanner Unit Agree-
ment located in San Juan County, New Mexico,
in accordance with Rule 507 of the New Mexico
Oil Conservation Commission Statewide Rules
and Regulations. Applicant, in the above-
styled cause, seeks an order granting approval
of its proposed Tanner Unit Agreement embrac-
ing 36,751.16 acres, more or less, of federal,
Indian and state lands located in Townships 23
and 24 North, Range 12 West, San Juan County,
New Mexico.

BEFORE:

Warren W. Mankin, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. MANKIN: Next case is Case 1213.

MR. COOLEY: 1213, Application of Humble Oil & Refining
Company for approval of its proposed Tanner Unit Agreement located
in San Juan County, New Mexico, in accordance with Rule 507 of the
New Mexico Oil Conservation Commission Statewide Rules and Regula-
tions.

MR. COOLEY: I am now presenting to you, Honorable Commissioner,
a copy of the application of Humble Oil & Refining Company, Inc.,
for approval of its proposed Tanner Unit Agreement located in San Juan
County, New Mexico, in accordance with Rule 507 of the New Mexico
Oil Conservation Commission Statewide Rules and Regulations. The
application was filed with the Commission on February 27, 1957.

Land Office in two chapters and in a separate chapter and
and the other in the separate chapter. These chapters have been
approved by the Land Office and at that point, I would like to
ask you if you have any objection to the order that has
been filed of the proposed order of the Land Office?

Mr. HILL: I have no objection.
Mr. HILL: We have two witnesses in this case and in the
the case is in the other case, Mr. Hill and Mr. [unclear]
you want them sworn again?

Mr. HILL: I would like to.

(Hill: I would like to.)

Mr. HILL: I would like to exhibit what I would like
to be identified as Hill's exhibit.

(Hill: I would like to exhibit what I would like to be identified as Hill's exhibit.)

Mr. HILL: I would like to exhibit what I would like to be identified as Hill's exhibit.

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Mr. HILL: I would like to exhibit what I would like to be identified as Hill's exhibit.

General Lee, is that correct?

A. Yes, sir.

Q. Now the qualifications of the witness associated with

Mr. NAMER? May I ask

you to state the qualifications of the witness associated with the matter in a continuing manner? I am asking you to state the qualifications of the witness associated with the matter in a continuing manner.

A. Yes, I will.

Q. Do you say where a political report was filed in connection with that affair?

A. It was filed.

Q. Did you have anything to do with the preparation of that report?

A. I assisted Mr. D. A. Bellmap in preparation of the report.

Q. Refer to Exhibit 1, which is a copy of the report, is that correct?

A. Yes, sir. I am not sure that I am familiar with the report, but I am not sure that I am familiar with the report.

Q. Now, I am asking you to state the qualifications of the witness associated with the matter in a continuing manner. I am asking you to state the qualifications of the witness associated with the matter in a continuing manner.

1. This report shows the subsurface geology of the 10,000 acre area which is located in Township 23 and south half of Township 24 North, Range 12 West, San Juan County, New Mexico, and the adjacent area. It indicates that the area is underlain by a thick sequence of sandstones and shales that were deposited in a coastal environment. It is dependent upon stratigraphic correlation and structural interpretation. Of course, structural is not well known but the geologic structure is probably as follows: The area is underlain by a thick sequence of sandstones and shales that were deposited in a coastal environment. It is dependent upon stratigraphic correlation and structural interpretation. Of course, structural is not well known but the geologic structure is probably as follows: This area is the -- the best method we have is a drilling program to test the area and as our present geological and geophysical techniques are not adequate within the structural area, we have a drilling program in the best and most economical way to prospect in this area.

2. What are your objectives as regards geophysical work in the area?

Answer: The main objective is to determine the structural geology of the area and to determine the geologic structure of the area. The main objective is to determine the structural geology of the area and to determine the geologic structure of the area.

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tion, as to the number of wells that would be drilled in the area
tion, with the effect

It was recommended three wells to a depth of 100 feet
to test the water

Q And have you made any definite location of wells
at the present time?

A I think location have been made, but they are not
tentative, subject to approval

Q Would they be spaced over the area in a regular way?
the basis of conducting the work, the best method possible

A For this purpose, they would be spaced in a regular
33 and over in the south part of the tract. They would be
spaced so it would give a good distribution of wells over the
area.

Q Now, if the wells are spaced in a regular way, it is
possible to

Q Now, if the wells are spaced in a regular way, it is
possible to

Q (By Mr. Rankin.)

Fannin-Fannin-White.
Fannin-Fannin-White.

well, has that not now been completed as a producing well?

A I'm not sure at all.

Q The reason I asked the question is your intention with the Hubble would directly offset this well in the Unit rather than evaluating the balance of township?

A No, sir, we wouldn't, we would not do that, we intend to evaluate the entire area as best we can.

Q So if you offset that well directly inside the Unit, it would be your feeling that possibly another well farther away from this in Township 24-12 would be used as another exploratory well rather than a direct offset?

A I'm not sure. Do you mean that of the three wells drilled that two of them will be in 24 North?

Q I believe you indicated two in 23 and one in 24?

A Right.

Q My question was, is it your feeling that the Unit will be properly evaluated if you just offset the Fanning-Fanning well which is a producing well?

A I'm not sure of that.

Q Now, usually when you offset a well in order to evaluate the balance of a township, you would offset a well in the same township, is that correct?

A Yes.

Q Now, usually when you offset a well in order to evaluate the balance of a township, you would offset a well in the same township, is that correct?

A Yes, sir.

Q Now, if you offset a well in the same township, is that correct?

indicate possible production in Mesa Verde; however, this particular proposed well will not test the Entrada, Pennsylvania and Mississippi, is that correct?

A Yes, sir.

Q It will only test three zones instead of possible six zones?

A We feel that though there is a possibility in the deeper zones, that possibility is quite poor.

Q Do you have any indication in geology there to know -- to indicate how deep it would take to test the Mississippi?

A Deep wells in that area are pretty well scattered, but it would probably, and this would be just sort of a guess.

Q I realize that.

A Oh, I would say about maybe 3,500, 9,000.

Q To test the Mississippi? A Yes, sir.

Q Thank you. This particular area is again, you feel, a stratigraphic trap, is that correct?

A I do.

Q Same as it was in the Winobeto? A Yes, sir.

Q You feel it's one continuous stratigraphic trap or there is some separation and several stratigraphic traps?

A I believe there might be separation and several, yes, sir.

Q You feel this area of Mesa Verde is probably all productive the same as the other formations around the area, that is, rather than gas.

A I do.

Q, MR. KIM: Are there other questions of the witness?

Q Now, the witness by the name of

(Name of witness)

MR. HINALE: Mr. Richardson,

Q. Now, HINALE:

called the witness having been called to the witness stand and asked as follows:

Q. Now, HINALE:

BY MR. HINALE:

Q State your name.

Q By whom are you employed?

A Humble Oil & Refining Company.

Q What capacity?

A Landman in charge of wells and field operations in our

Merits.

Q Have you had anything to do with the matter of setting up the application for approval of the Center Unit area and lease of Unit Agreement?

A Yes.

Q Are there any other matters connected with this case which you would like to mention?

A I have nothing further to say at this time.

Q Now, the witness by the name of

MR. HINALE: Mr. Richardson,

Q Now, HINALE:

DEAR

Federal lands, state lands, Indian lands and fee lands?

A Of the 35,751 acres, 26,960.34 acres are federal, being 75.41 percent of the Unit area. There are 3,195.23 acres of withdrawn land, exact status is unknown. It was withdrawn from all leasing and entry by the Federal Government. That 3,195.23 acres is 8.93 percent of Unit area. There are 1,815.76 acres of Indian allotted land. This Indian allotted land is 5.36 percent of the Unit area. There are 3,678.28 acres of state land, being 10.23 percent of the Unit area.

Q You have heard the testimony here that the area, as has been heretofore designated by the U.S.G.S., as suitable and proper for unitization?

A Yes.

Q And the copy of that is attached to the Exhibit as "A." Does this cover all the area that has been designated?

A Yes.

Q Are you familiar with the proposed form of Unit Agreement which has been filed --

A Yes.

Q -- in connection with this case? A Yes.

Q Do you know whether or not it has been approved by the U.S.G.S. as to form?

A It has been approved as to form.

Q Do you know whether or not it has been approved by the Commission on Debate Land?

A It has been approved, but not finally approved.

Q Is it approved as to the location of the land?

A. Humble & Co. Ltd. London & Bombay.

Are any wells required to be drilled?

A There are three wells to be drilled within the Unit area.

Q When is the first well to be commenced?

A. Within six months of the effective date, the unit price
cent.

Q Is there any time provided for the drilling of the subsequent wells?

A The subsequent two wells are to be drilled within sixty days of completion of the first well, or the second well is to be started, and sixty days completion and the third well within sixty days completion of the second.

Q Is this proposed Unit as to form in substantially the same form as Units heretofore approved by the Commission where both federal and state and fee lands are involved? A Yes.

Q Also Indian lands? A Yes.

6. In case that discovery of oil and gas in paying quantities should be made as a result of pooling of this Unit and drilling of wells, state whether or not, in your opinion, the Unit Agreement will be in the interest of conservation and the prevention of waste.

10 KODIC.

Q Did the CIA personnel provide the information with the
 also copy of the privileged substance? A Yes.

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

...and that is all, for instance, that you see

A I would like to state, you were asking Holland about the well locations and the offset of the Fannin - White wells on the northeast edge of the Unit. One of our first wells or our tentative locations will be in the extreme northwestern part of the Unit. We have a farmout there from Texas National, and do have a well commitment on that acreage in the extreme northwest of the Unit, and there are two wells in the south township.

MR. MANKIN: So, actually, those three exploratory wells would not effect a possibility offset to the Fannin Well which has been completed as a Gallup producer, that would be an additional well?

A That would be a fourth well.

MR. MANKIN: Are there other questions of the witness? If there are no other questions of the witness, the witness may be excused.

(Witness excused.)

MR. MANKIN: Are there any other statements to be made in this case? If there are no other statements, we will take the case under advisement.

C E R T I F I C A T E

STATE OF NEW MEXICO)

: ss

COUNTY OF BERNALILLO)

I, THURMAN J. MOORE, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript by me and/or under my personal supervision, and that the same is a true and correct record to the best of my knowledge, skill and ability.

WITNESS my hand and seal, this, the 15 day of April, 1957, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Thurman J. Moore
Notary Public

My Commission Expires:

April 3, 1960

1213
5)
February 2)
Thurman J. Moore

TO: DIRECTOR, UNITED STATES GEOLOGICAL SURVEY,
WASHINGTON, D. C.

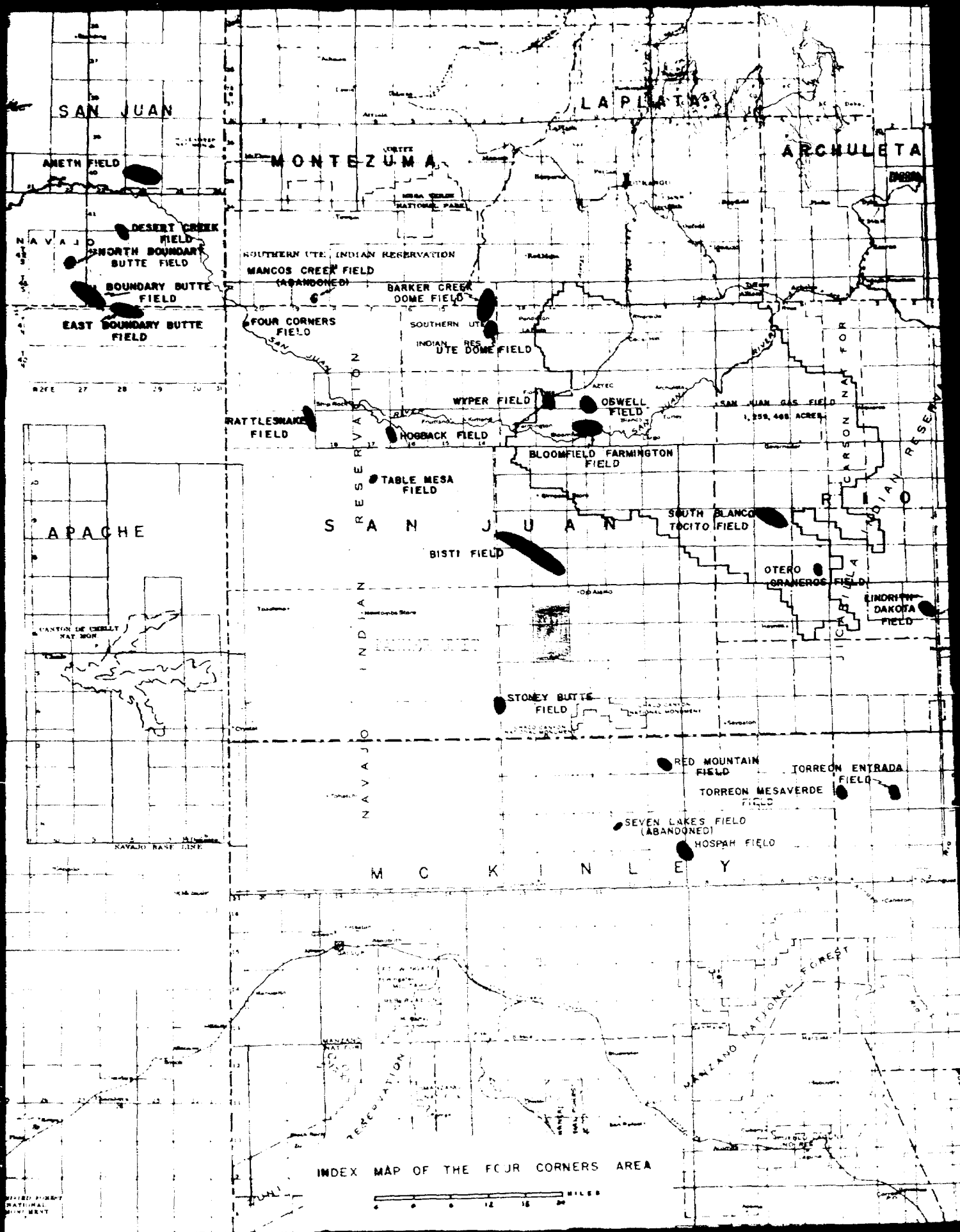
FROM: HUMBLE OIL & REFINING COMPANY, EXPLORATION DEPARTMENT,
ROSWELL, NEW MEXICO

SUBJECT: REPORT ON THE GEOLOGY OF THE TANNER AREA, SAN JUAN
COUNTY, NEW MEXICO

PURPOSE: THIS REPORT IS SUBMITTED TO SHOW THE SUBSURFACE GEOLOGY
AND TO DEMONSTRATE THE NEED OF FORMING A FEDERAL EXPLORATION
UNIT TO TEST THE TANNER AREA. IT IS BELIEVED THAT THE
GEOLOGIC CONDITIONS ARE SUCH THAT THE ONLY REASONABLE METHOD
OF EXPLORATION AND DEVELOPMENT IS BY MEANS OF AN APPROVED
FEDERAL UNIT.

DATE: August, 1956

RECEIVED THE
OIL & GAS DIVISION
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C.
AUG 14 1956
FILE 1212



REPORT ON THE TANNER AREA,
SAN JUAN COUNTY,
NEW MEXICO

INTRODUCTION

The location of the Tanner area is in Township 23 and $\frac{1}{2}$ 24 North, Range 12 West, San Juan County, New Mexico. It is proposed that one Federal Exploration Unit be established in these two townships for the purpose of exploration and development of oil and/or gas. This area is located on the south flank of the San Juan basin in the Bisti trend area (Exhibit "B"). Possible productive horizons are the Mesaverde, Gallup, Dakota, Entrada, Pennsylvanian, and Mississippian.

The approval of the requested unit will be in the interest of conservation and of scientific and orderly development of the oil and/or gas reservoirs that might be found within this unit.

RECOMMENDATIONS

It is recommended that the United States Geological Survey approve one Federal Exploration Unit in Township 23 and $\frac{1}{2}$ 24 North, Range 12 West, San Juan County, New Mexico, with the Humble Oil and Refining Company as unit operators. It is further recommended that this unit will be called the Tanner Unit.

As unit operators, Humble will drill three (3) 5,500-foot Cretaceous Dakota tests to cure the unit. In the event of production, Humble will develop and produce the field in an orderly manner consistent with modern and scientific drilling and production practices.

SUBSURFACE STRATIGRAPHY

The Cretaceous sediments for the most part are alternating blanket and off-shore bar sands, marine dark shales, and coals. The generalized stratigraphy can best be described from the section encountered by the M.S.B. Company No. 1 F. W. Meyer located in Section 13, Township 23 North, Range 11 West, San Juan County, New Mexico. This well was plugged and abandoned at 5,272 feet on March 27, 1954.

JURASSIC

Morrison: 202 feet. (Base not penetrated). White to tan sandstone and green to purple shales.

CRETACEOUS

Dakota: 120 feet. Medium grained sandstone with gray shale.

Graneros: 35 feet. Gray shale.

Greenhorn: 50 feet. Limey shale to shaly limestone.

Mancos: 1,730 feet. Dark gray to black shale with a sandstone buildup in the middle of the section.

Gallup: 250 feet. This sandstone buildup is referred to as the Gallup sandstone and is the oil producing zone in the Bisti area. This fine to medium grained sandstone is an off-shore bar sand which had a fluctuating shore line that covered the entire southern flank of the San Juan basin. The productive trend of the Gallup appears to depend more on stratigraphy than structure. In areas where the permeability is low, gas production is found, as in the El Paso No. 1 Nelson (Section 8, Township 26 North, Range 12 West). Southward or shoreward the permeability increases due to the nearness to the source area. These sand buildups in the Mancos had a depositional trend of northwest-southeast over the entire south flank of the San Juan basin. A core taken from this same Gallup sandstone in the Meyer well exhibited seven feet of good oil show from 4,193 feet to 4,200 feet.

Mesaverde:	Point Lookout: 150 feet. Dominate sandstone section with alternating shales. Oil has been recovered on drill stem test from the Point Lookout in the Shell No. 1 Carson which is located in Section 24, Township 25 North, Range 12 West.
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Pictured Cliffs:	140 feet. Medium grained white sandstone with gray shale stringers. This formation produces gas to the north and northeast in the 1,250,000 acre San Juan gas field.
Fruitland-Kirtland:	600 feet. Gray shales, coal stringers, and sandstones, undifferentiated.

SUBSURFACE STRUCTURE

On top of the Cretaceous Hospah sandstone which is about 100 feet above the Gallup, the region dip in the area is about 120 feet to the mile in a northeast by north direction (Exhibit "B"). Well control is so sparse that no local structural dips can be postulated from subsurface information.

ECONOMIC POSSIBILITIES

Those zones in the proposed Tanner unit outline area that will have the best possibilities for production of oil and/or gas are as follows:

(1) The interval from 4,900 feet to 5,100 feet (Dakota sandstone) carries hydrocarbons throughout the San Juan basin and could produce gas or oil from either a structural or stratigraphic trap.

(2) The Gallup sand buildup from 4,100 feet to 4,350 feet affords excellent reservoir condition. Production is present in the Bisti field some 6 miles to the north from this blanket sand. Excellent shows of oil have been reported from the U.S.B. No. 1 Meyer and production has been established in the Chico Unit.

Production from the Gallup does not depend upon structure, but upon permeability and porosity. Subsurface and core information indicate that the Gallup is more permeable toward the southwest. This would also be true for the Mesaverde, Dakota, and other sands in the Mancos that have low permeabilities further north in the basin.

Only one well has been drilled in the unit outline area. This is the D & N Oil and Mining Company No. 1 Hall (Section 8, Township 23 North, Range 12 West). This well was drilled to a total depth of 220 feet and plugged and abandoned on November 18, 1955.

(3) The Point Lookout has recently yielded oil on a drill stem test in the Shell No. 1 Carson (Section 24, Township 25 North, Range 12 West).

PROJECTED DEPTHS

A projected depth of 5,500 feet will test the Cretaceous Dakota throughout the proposed unit outline. The following is a list of projected tops that could be expected:

CRETACEOUS	Pictured Cliffs	600 feet
	Cliff House	1,350
	Menefee	1,450
	Point Lookout	3,000
	Mancos	3,150
	Hospah	4,000
	Gallup	4,100
	Lower Mancos	4,350
	Greenhorn	4,900
	Graneros	4,950
	Dakota	4,920
JURASSIC	Morrison	5,100

PROPOSED DEVELOPMENT

If the Tanner Unit is approved, and unitization progresses to completion, the Humble Oil and Refining Company will drill three (3) wells to 5,500 feet or to the base of the Cretaceous Dakota, whichever is the shallower and thoroughly test all oil and gas shows encountered.

All locations will be made subject to the approval of the State and United States Geological Survey.

If production is established, Humble will develop and produce the field in an orderly manner consistent with modern and scientific drilling and production techniques.

In the event of ~~three~~^{three} initial dry holes, Humble will continue with additional exploration work, using information derived from the tests. This work will consist of further geological studies and/or geophysical surveying, and if the results of these studies indicate it is justified, an additional exploratory well or wells will be drilled.

Respectfully submitted,



B. A. Belknap

BAB:jj

August, 1956

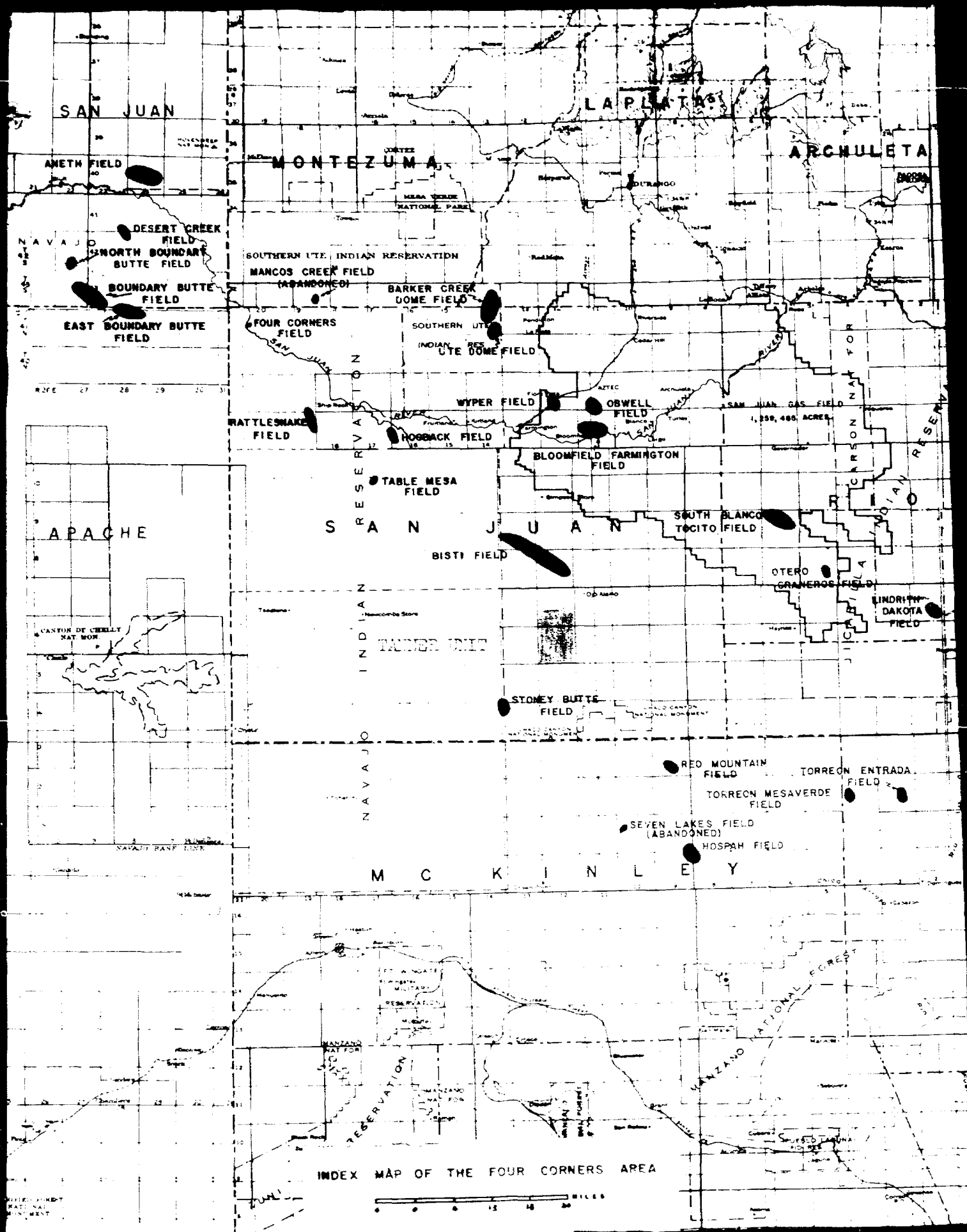
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B. A. Belknap

BAB:jj

August, 1956

1557 SEP 28 PM
MAIN OFFICE
HUMBLE OIL & REFINING COMPANY
EXPLORATION DEPARTMENT
P. O. BOX 1287
ROSWELL, NEW MEXICO
September 27, 1957

In re: Tanner Unit Agreement
San Juan County, New Mexico

N. M. Oil Conservation Commission
State Capitol Building
Santa Fe, New Mexico

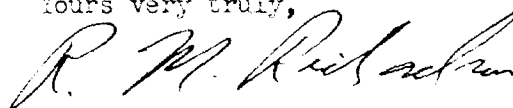
Attention: Mr. Pete Porter

Gentlemen:

We are enclosing one fully executed copy of the Tanner Unit Agreement, San Juan County, New Mexico. The Agreement was executed and is effective September 16, 1957.

If you need any information, please advise.

Yours very truly,



E. M. Richardson

RMR:ch

Encl.

COPY

HUMBLE OIL & REFINING COMPANY

HOUSTON 1, TEXAS

September 27, 1957

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San Juan County, New Mexico

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State Capitol Building
Santa Fe, New Mexico

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Encl.

EX-1213 1A
CASE

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE TANNER UNIT AREA
COUNTY OF SAN JUAN, STATE OF NEW MEXICO

NO. _____

THIS AGREEMENT, made and entered into as of the 13th day of MARCH, 1957, 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 Mineral Leasing Act of February 25, 1920, 41 Stat. 437, as amended, 30 U.S.C. Sections 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 of 1943) to consent to and approve the development or operation of lands of the State of New Mexico under this Agreement; and

WHEREAS, the rules and regulations governing the leasing of restricted allotted and tribal Indian lands for oil and gas except allotments made to the members of the Five Civilized Tribes and Osage Indians in Oklahoma, promulgated by the Secretary of the Interior (25 C.F.R. 189.24 (c)) under and pursuant to the Act of March 3, 1909, 35 Stat. 783, 25 U.S.C. Section 396 and the Tribal Land Mineral Leasing Act of May 11, 1938, 52 Stat. 347, 25 U.S.C. Section 396A et seq., and the oil and gas leases covering said allotted and tribal Indian lands provide for the development of such leases to a cooperative or unit plan of development or operation; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by an Act of the Legislature (Chapter 72 Laws of 1935, as amended

by Chapter 193, Laws of 1937, Chapter 166, Laws of 1941, and Chapter 168, Laws of 1949) to approve this Agreement and the conservation provisions hereof; and

WHEREAS, the parties hereto hold sufficient interest in the Tanner Unit Area covering the land hereinafter described to give reasonably effective control of operations thereon; and

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

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

1. ENABLING ACT AND REGULATIONS: The Mineral Leasing Act of February 25, 1920 as amended, supra, and all valid pertinent regulations, 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; as to Indian lands, the Acts of March 3, 1909, and May 11, 1938, 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, provided such regulations are not inconsistent with the terms of this Agreement; and as to State of New Mexico 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

T. 23 N., R. 12 W., N.M.P.M.

Sec. 1: Lots 5 thru 20 (All)
Sec. 2: Lots 1,2,3,4, $S\frac{1}{2}NW\frac{1}{4}$, $S\frac{1}{2}$ (All)
Sec. 3: Lots 5 thru 16, $SW\frac{1}{4}$ (All)
Sec. 4: Lots 5 thru 20 (All)

Sec. 5: Lots 5 thru 20 (All)
 Sec. 6: Lots 8 thru 23 (All)
 Sec. 7: Lots 5 thru 19, SE $\frac{1}{4}$ SE $\frac{1}{4}$ (All)
 Sec. 8: Lots 1 thru 14, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
 Sec. 9: Lots 1,2,3,4, NE $\frac{1}{4}$, S $\frac{1}{2}$ (All)
 Sec. 10: Lots 1 thru 8, E $\frac{1}{2}$ (All)
 Sec. 11: All
 Sec. 12: Lots 1 thru 16 (All)
 Sec. 13: Lots 1 thru 16 (All)
 Sec. 14: Lots 1 thru 8, N $\frac{1}{2}$ (All)
 Sec. 15: Lots 1 thru 8, N $\frac{1}{2}$ (All)
 Sec. 16: All
 Sec. 17: Lots 1 thru 13, NW $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
 Sec. 18: Lots 1 thru 6, E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ (All)
 Sec. 19: Lots 5 thru 20 (All)
 Sec. 20: Lots 1 thru 16 (All)
 Sec. 21: Lots 1 thru 16 (All)
 Sec. 22: Lots 1 thru 16 (All)
 Sec. 23: Lots 1 thru 8, S $\frac{1}{2}$ (All)
 Sec. 24: Lots 1 thru 8, S $\frac{1}{2}$ (All)
 Secs. 25 thru 29: All
 Sec. 30: Lots 1,2,3,4, E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$ (All)
 Sec. 31: Lots 1,2,3,4, E $\frac{1}{2}$, E $\frac{1}{2}$ W $\frac{1}{2}$ (All)
 Secs. 32 thru 36: All

T. 24 N., R. 12 W., N.M.P.M.

Sec. 19: Lots 5 thru 20 (All)
 Sec. 20: Lots 1 thru 16 (All)
 Sec. 21: Lots 1 thru 16 (All)
 Sec. 22: Lots 1 thru 16 (All)
 Sec. 23: Lots 1 thru 16 (All)
 Sec. 24: Lots 1 thru 16 (All)
 Sec. 25: Lots 1 thru 16 (All)
 Sec. 26: Lots 1 thru 16 (All)
 Sec. 27: Lots 1 thru 16 (All)
 Sec. 28: Lots 1 thru 16 (All)
 Sec. 29: Lots 1 thru 16 (All)
 Sec. 30: Lots 5 thru 20 (All)
 Sec. 31: Lots 5 thru 20 (All)
 Sec. 32: All
 Sec. 33: Lots 1 thru 16 (All)
 Sec. 34: Lots 1 thru 16 (All)
 Sec. 35: Lots 1 thru 16 (All)
 Sec. 36: All

containing 35,751.16 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 "State Commissioner", and not less than seven (7) copies of the revised exhibits shall be filed with the Supervisor and one (1) copy thereof shall be filed with the State Commissioner and one (1) copy with the New Mexico Oil Conservation Commission, hereinafter referred to as "State Commission". The Commissioner of Indian Affairs shall hereafter be referred to as the "Indian Commissioner".

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 provisions of this Agreement. Such expansion or contraction shall be effected 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 State Commissioner, after preliminary concurrence by the Director, shall prepare a notice of proposed expansion or contraction describing the contemplated changes in the boundaries of the unit area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Supervisor, the State Commissioner and the State Commission, and copies thereof mailed to the last known address of each working interest owner, lessee, and lessor whose interests are affected, advising that thirty (30) days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the thirty (30) day period provided in the preceding item (b) hereof, Unit Operator shall file with the Supervisor, the State Commissioner and the State 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, together with an application, in sufficient number, for approval of such expansion or contraction, and with appropriate findings.

(d) After due consideration of all pertinent matters, the

expansion or contraction shall, upon approval by the Director, the State Commissioner and the State Commission, become effective as of the date prescribed in the notice thereof.

(e) All legal subdivisions of unitized lands (i.e., 40 acres by Government survey or its nearest lot or tract equivalent in instances of irregular surveys, however, unusually large lots or tracts shall be considered in multiples of 40 acres, or the nearest aliquote equivalent thereof, for the purpose of elimination under this subsection), no parts of which are entitled to be in a participating area within five (5) years after the first day of the month following the effective date of the first initial participating area established under this Unit Agreement, shall be eliminated automatically from this Agreement, effective as of the first day thereafter, and such lands shall no longer be a part of the unit area and shall no longer be subject to this Agreement, unless at the expiration of said five-year period diligent drilling operations are in progress on unitized lands not entitled to participation, in which event all such lands shall remain subject hereto for so long as such drilling operations are continued diligently, with not more than ninety (90) days time elapsing between the completion of one such well and the commencement of the next such well, except that the time allowed between such wells shall not expire earlier than thirty (30) days after the expiration of any period of time during which drilling operations are prevented by a matter beyond the reasonable control of Unit Operator as set forth in the section hereof entitled, "Unavoidable Delay"; provided that all legal subdivisions of lands not in a participating area and not entitled to become participating under the applicable provisions of this Agreement within seven (7) years after said first day of the month following the effective date of said first initial participating area shall be eliminated as above specified. Determination of creditable "Unavoidable Delay" time shall be made by Unit Operator and subject to approval of the Commissioner and the Director. The Unit Operator shall, within ninety (90) days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Commissioner and the Director and promptly notify all parties in interest.

If conditions warrant extension of the seven (7) year period specified in this subsection 2(e), a single extension of not to exceed two (2) years

may be accomplished by consent of the owners of 90% of the current unitized working interests and 60% of the current unitized basic royalty interests (exclusive of the basic royalty interests of the United States), on a total-nonparticipating-acreage basis, respectively, with approval of the Commissioner and the Director, provided such extension application is submitted to the Commissioner and the Director not later than sixty (60) days prior to the expiration of said seven (7) year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not be considered automatic commitment or recommitment of such lands.

3. UNITIZED LAND AND UNITIZED SUBSTANCES: All land committed to this Agreement shall constitute land referred to herein as "unitized land" or "land subject to this Agreement". All oil and gas in any and all formations of the unitized land are unitized under the terms of this Agreement and herein are called "unitized substances".

4. UNIT OPERATOR: Humble Oil & Refining Company, a Texas corporation with offices at Houston, Texas, is hereby designated as Unit Operator and by signature hereto as Unit Operator commits to this Agreement all interests in unitized substances vested in it as set forth in Exhibit "B" attached hereto and agrees and consents to accept the duties and obligations of Unit Operator for the discovery, development and production of unitized substances as herein provided. Whenever reference is made herein to the Unit Operator, such reference means the Unit Operator acting in that capacity and not as an owner of interest in unitized substances, and the term "working interest owner" when used herein shall include or refer to Unit Operator as the owner of a working interest when such an interest is owned by it.

5. RESIGNATION OR REMOVAL OF UNIT OPERATOR: Unit Operator shall have the right to resign at any time prior to the establishment of a participating area or areas hereunder, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six (6) months after notice of intention to resign has been served by Unit Operator on all working interest owners and the Director, the State Commissioner and the State 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 and Indian lands and by the State Commission as to state and privately-owned 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.

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, the State Commissioner and the State Commission.

At any time a participating area established hereunder is in existence, the unit operator shall have the right to resign in like manner and subject to like limitations as above provided, and removal because of default or failure may occur, but, at any time for any reason whatsoever there is no unit operator and until a successor unit operator is selected and approved as hereinafter provided, the working interest owners jointly shall be responsible for performance of the duties of unit operator, and shall, not later than thirty (30) days before the resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

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

of any wells.

6. SUCCESSOR UNIT OPERATOR: Whenever the Unit Operator shall tender his or its resignation as Unit Operator or shall be removed as hereinabove provided, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or until a participating area shall have been established, the owners of the working interests according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator; provided, that, if a majority but less than seventy-five per cent (75%) of the working interests qualified to vote are owned by one party to this Agreement, a concurring vote of sufficient additional working interest owners shall be required so as to constitute in the aggregate not less than seventy-five per cent (75%) of the total working interests in order 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 State Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Director and State Commissioner at their election may declare this Unit Agreement terminated.

7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT: If the Unit Operator is not the sole owner of working interests, costs, and expenses incurred by Unit Operator in conducting unit operations hereunder shall be paid in the first instance by Unit Operator and such costs and expenses so paid by Unit Operator shall be apportioned among and borne by the owners of working interests and the Unit Operator reimbursed, all in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working interests, whether one or more, separately or collectively. Any agreement or agreements, entered into between the working interest owners and the Unit Operator as provided in this section, whether one or more, are herein referred to as the "unit operating agreement". Such unit operating agreement shall also provide the manner in which the working interest owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases, or other independent contracts, and such other rights and

obligations as between Unit Operator and the working interest owners as may be agreed upon by Unit Operator and the working interest owners; however, no such unit operating agreement shall be deemed either to modify any of the terms and conditions of this Unit Agreement or to relieve the Unit Operator of any right or obligation established under this Unit Agreement, and in case of any inconsistency or conflict between the Unit Agreement and the unit operating agreement, this Unit Agreement shall prevail. Three true copies of any unit operating agreement executed pursuant to this section should be filed with the Supervisor prior to approval of this Agreement.

Notwithstanding any provision contained herein to the contrary, each working interest owner shall have the right to take such owner's proportionate share of the unitized substances in kind or to personally sell or dispose of the same, and nothing herein contained shall be construed as giving or granting to the Unit Operator the right to sell or otherwise dispose of the proportionate share of any working interest owner without specific authorization from time to time so to do.

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. DRILLING TO DISCOVERY: Within six (6) months after the effective date hereof, Unit Operator shall begin to drill an adequate test well at a location approved by the Supervisor if on federal or Indian land, by the State Commissioner if on state land, or by the State Commission if on privately-owned land, unless on such effective date a well is being drilled conformably

with the terms hereof, and shall continue such drilling diligently until the Dakota formation has been tested, and shall thereafter continue the drilling of one well at a time until at least two additional wells have been drilled on the unit area to a depth sufficient to test the Dakota formation, with the elapse of not more than sixty (60) days between the time of the completion of one well and the commencement of the next, unless the Unit Operator shall have established to the satisfaction of the Supervisor, if on federal or Indian land, the State Commissioner if on state land, or the State Commission if on privately-owned land, that the further drilling of any well or wells would be unwarranted or impracticable; provided, however, if Unit Operator shall not in any event be required to drill any of said wells to a depth in excess of 5,500 feet.

After the completion of the three wells specified in the foregoing paragraph and until the discovery of a deposit of unitized substances capable of being produced in paying quantities, Unit Operator shall continue drilling diligently one well at a time, allowing not more than six (6) months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of the Supervisor if on federal or Indian lands, the State Commissioner if on state land, or the State Commission if on privately-owned land, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities in the formations drilled hereunder. Nothing in this section shall be deemed to limit the right of Unit Operator to resign as provided in Section 5 hereof, or as requiring Unit Operator to commence or to continue any drilling during the period pending such resignation becoming effective in order to comply with the requirements of this section. After the completion of the three (3) wells referred to in the first paragraph of this section, the Director and State Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in their opinion, such action is warranted.

Upon failure to comply with the drilling provisions of this section, the Director and the State Commissioner may, after reasonable notice to the Unit Operator, and each working interest owner, lessee, and lessor at their last known address, declare this Unit Agreement terminated.

10. PLAN OF FURTHER DEVELOPMENT AND OPERATION: Within six (6) months after the completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall submit for the approval of the Supervisor, the State Commissioner and the State Commission an acceptable plan of development and operation for the unitized land which, when approved by the Supervisor, the State Commissioner and the State Commission shall constitute the further drilling and operating obligations of the Unit Operator under this Agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Supervisor, the State Commissioner and the State Commission, a plan for an additional specified period for the development and operation of the unitized land. Any plans submitted pursuant to this section shall provide for the exploration of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor and the State Commissioner and the State Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall (a) specify the number and 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 State Commissioner and the State 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.

The Supervisor and State Commissioner are authorized to grant a reasonable extension of the six (6) months period herein prescribed for submission of an initial plan of development where such action is justified because of unusual conditions or circumstances. After completion hereunder of a well capable of producing oil or gas in paying quantities, no further wells, except such as may be necessary to afford protection against operations not under this

Agreement, or such undrilled initial test wells specified in Section 9 above, or such as may be specifically approved by the Supervisor and the State Commissioner shall be drilled except in accordance with a plan of development approved as herein provided.

11. PARTICIPATION AFTER DISCOVERY: Upon completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall, within the month of completion, if practicable, or as soon thereafter as required by the Supervisor or the State Commissioner, submit for approval by the State Commissioner, the State Commission and the Director, a schedule based on subdivisions of the public land survey or aliquot parts thereof, of all unitized land then regarded as reasonably proved to be productive of unitized substances in paying quantities; all land in said schedule, on approval of the State Commissioner, the State Commission and the Director to constitute a participating area, effective as of the date of completion of such well, or the effective date of this Unit Agreement, whichever is later. Said schedule also shall set forth the percentage of unitized substances to be allocated as herein provided, to each unitized tract in the participating area so established, and said schedule shall govern the allocation 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 zone or pool, and any two or more participating areas so established may be combined into one with the consent of the owners of all working interest of the lands so to be combined and the approval of the State Commissioner, the State Commission and the Director. The participating area or areas so established and approved shall be revised from time to time, subject to like approval, whenever such action appears proper as a result of further drilling operations or otherwise to include additional land then regarded as reasonably proved to be productive in paying quantities, or to exclude land then regarded as reasonably proved not 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, provided, however, that a more appropriate effective date may be used if

justified by the Unit Operator and approved by the Director. No land shall be excluded from a participating area on account of depletion of the unitized substances.

It is the intent of this section 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 State Commissioner and the State 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, Indians and the State of New Mexico, which shall be determined by the Supervisor for federal or Indian lands and the State Commissioner for state lands and the amount thereof deposited as directed by the Supervisor and the State 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, Indian 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 drilled on federal and Indian land and of the State Commissioner as to wells drilled on state land, and the State Commission as to wells on privately-owned 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 shall, for the purposes of settlement among royalty interest owners, 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 shall be allocated to the land on which the well is located.

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, the State Commissioner and the State Commission, or unavoidably lost, shall be deemed to be produced equally on an 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 OR FORMATIONS AND DRILLING OF WELLS NOT MUTUALLY AGREED UPON: Any party or parties hereto owning or controlling the working interests or a majority of the working interests in any unitized land having thereon a regular well location may, with the approval of the Supervisor as to federal or Indian land, and the State Commission as to state land and privately-owned land, and subject to the provisions of the unit operating agreement, at such party's sole risk, cost, and expense drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area,

or drill any well not mutually agreed to by all interested parties, unless within ninety (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 transferred to and 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 to 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, the Indians 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 repressuring, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Supervisor, the State Commissioner and the State Commission, 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, the State Commissioner and the State Commission 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 and the Indians 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 or Indian land as provided herein at the rates specified in the respective federal or Indian 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 and Indian lands subject to this Agreement shall be paid at the rate specified in the respective leases from the United States and

Indians 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.

With respect to any committed lease on non-federal or non-Indian 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 thereafter until the required drilling operations are commenced upon the land covered thereby or some portion of such land is included in 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 with the consent of the Director or the State Commissioner, respectively, pursuant to applicable regulations pay a fair and reasonable compensatory royalty as determined by the Supervisor for federal or Indian lands or as approved by the State 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 and Indian leases and the State 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, production, rental, minimum royalty, and royalty requirements of federal, Indian 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 tract or part 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 and the State Commissioner (or their duly authorized representatives) 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 and the Indians, 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; provided, however, each such lease, sublease or contract, where not already extended by production, shall only be extended in the event unitized substances are capable of being produced from some part of the lands embraced in such lease committed to this agreement, or some part of said lands are committed to a participating area prior to the expiration of the primary term of such lease, sublease or contract. Termination of this Agreement shall not affect any lease which,

pursuant to the terms thereof or applicable law, shall continue in full force and effect thereafter.

(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 or Indian 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 subject hereto, provided that production is had in paying quantities under this Agreement prior to the expiration date of the term of such lease.

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

(g) The segregation of any federal lease committed to this Agreement is governed by the following provision in the fourth paragraph of Sec. 17(b) of the Act, as amended by the Act of July 29, 1954, (68 Stat. 583, 585): "Any (federal) lease hereafter committed to any such (unit) plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization: Provided, however, that any such lease as to the nonunitized portion shall continue in force and effect for the term hereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."

(h) Any lease embracing lands of the Indians or State of New Mexico 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. Provided, however, notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the

State of New Mexico having only a portion of its lands committed hereto shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease, if unitized substances are discovered and are capable of being produced in paying quantities from some part of the lands embraced in such lease committed to this agreement at the expiration of the secondary term of such lease; or if, at the expiration of the secondary term, the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced in such lease, the same as to all lands embraced therein shall remain in full force and effect so long as such operations are being diligently prosecuted, and if they result in the production of unitized substances, said lease shall continue in full force and effect as to all of the lands embraced therein, so long thereafter as unitized substances in paying quantities are being produced from any portion of said lands.

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 State Commissioner, the Indian Commissioner, and the Director, or their duly authorized representatives, as of the date of approval by the Director, and shall terminate five years after such date, unless (a) such date of expiration is extended by the Director and State Commissioner, or (b) it is reasonably determined prior to the expiration of the fixed term or any extension thereof that the unitized land is incapable of production of unitized substances in paying quantities in the formation tested hereunder and

after notice of intention to terminate the Agreement on such ground is given by the Unit Operator to all parties in interest at their last known addresses, the Agreement is terminated with the approval of the Director and State Commissioner, or (c) a valuable discovery of unitized substances has been made on unitized land during said initial term or any extension thereof, in which event the Agreement shall remain in effect for such term and so long as unitized substances can be produced in paying quantities, i.e., in this particular instance in quantities sufficient to pay for the cost of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as the unitized substances so discovered can be produced as aforesaid, or (d) it is terminated as heretofore provided in this Agreement.

This Agreement may be terminated at any time by not less than seventy-five (75) per centum, on an acreage basis, of the owners of working interests signatory hereto, with the approval of the Director and State 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 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 State 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 State 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 State Commission.

Powers in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than fifteen (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 any leases or contracts subject hereto, or to any penalty or liability on account of delay or failure in whole or in part to comply with any applicable provision thereof to the extent that the said Unit Operator, working interest owners or any of them are hindered, delayed or prevented from complying therewith by reason of failure of the Unit Operator to obtain, in the exercise of due diligence, the concurrence of proper representatives of the United States and proper representatives of the State of New Mexico in and about any matters or thing concerning which it is required herein that such concurrence be obtained. The parties hereto, including the State Commission, agree that all powers and authority vested in the State Commission in and by any provisions of this contract are vested in the State 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, the Commissioner of Public Lands and the New Mexico Oil Conservation Commission and to appeal from orders issued under the regulations of said Department, the State Commission or State Commissioner, or to apply for relief from any of said regulations or in any proceedings relative to operations before the Department of the Interior, the State Commissioner or State 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, demand or statements required hereunder 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 part sending the notice, demand or statement.

25. NO WAIVER OF CERTAIN RIGHTS: Nothing in this Agreement contained shall be construed as a waiver by any party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State wherein said unitized lands are located, or of the United States, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

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

27. FAIR EMPLOYMENT: In connection with the performance of work under this Agreement, the Unit Operator agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Unit Operator agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the non-discrimination clause.

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

28. LOSS OF TITLE: In the event title to any tract of unitized land shall fail and the true owner cannot be induced to join in this Unit Agreement, so that such tract is not committed to this Unit Agreement, or the operation thereof hereunder becomes impractical as a result thereof, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title as to any royalty, working interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to federal, Indian and state land or leases, no payments of funds due the United States, Indians 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 State 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 State 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. Joinder to the Unit Agreement by a working interest owner, at any time, must be accompanied by appropriate joinder to the unit operating agreement, if more than one committed working interest owner is involved, in order for the interest to be regarded as effectively committed to this Unit Agreement. 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, the State Commissioner and the State Commission of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this Agreement unless objection to such joinder is duly made within sixty (60) days by the Director, State Commissioner or State Commission.

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

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed and set opposite their respective names the date of execution.

AMERIL OIL & REFINING COMPANY

BY: _____

ADDRESS: _____

UNIT OPERATOR AND WORKING INTEREST OWNER

ATTEST:

Secretary

Date _____

By _____

Address _____

ATTEST:

Secretary

Date _____

By _____

Address _____

ATTEST:

Secretary

Date _____

By _____

Address _____

ATTEST:

Secretary

Date _____

By _____

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Secretary

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Date _____

By _____

Address _____

ATTEST:

Secretary

Date _____

By _____

Address _____

ATTEST:

Secretary

Date _____

By _____

Address _____

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires: _____

Notary Public

STATE OF _____)
COUNTY OF _____) ss

The foregoing instrument was acknowledged before me this _____ day of _____, 1957, by _____, of _____, a _____ Corporation, on behalf of said Corporation.

My Commission Expires: _____

Notary Public

EXHIBIT "B"
SCHEDULE SHOWING THE PERCENTAGE AND KIND OF OWNERSHIP
OF ALL LANDS WITHIN THE TANNER UNIT AREA, TOWNSHIPS 25,
AND 24 NORTH, RANGE 12 WEST, SAN JUAN COUNTY, NEW MEXICO

Tract Number	Description	No. of Acres	Ser. No. & Date of Lease or Application	Basic Royalty & Percentage	Lessee of Record	Overriding Royalty & Percentage	Working Interest & Percentage *
FEDERAL LANDS							
1.	T-23-N, R-12-W Sec. 18: Lots 3, 4, E $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 19: Lots 5 thru 12, incl., (N $\frac{1}{2}$)	485.42	SF-078221 12-1-47	USA 12 $\frac{1}{2}$ %	Harold Kogan	None	Harold Kogan
2.	T-24-N, R-12-W Sec. 30: Lots 5 thru 20, incl., (A11) Sec. 31: Lots 5 thru 20, incl., (A11) Sec. 33: Lots 1 thru 16, incl., (A11) Sec. 34: Lots 1 thru 16, incl., (A11)	2720.58	SF-078379 5-1-48	USA 12 $\frac{1}{2}$ %	Ruth C. Fritts	Marion Donnell and Robert Donnell	Humble Oil & Refining Company
3.	T-24-N, R-12-W Sec. 25: Lots 2, 3, 4, 5, 6, 7, 10, 11, 12, 13, 14, Sec. 26: Lots 1 thru 16, incl., (A11) Sec. 28: Lots 1 thru 16, incl., (A11) Sec. 29: Lots 1 thru 16, incl., (A11)	2527.76	SF-078380 12-1-47	USA 12 $\frac{1}{2}$ %	Ruth C. Fritts	Marion Donnell and Robert Donnell	Humble Oil & Refining Company
4.	T-24-N, R-12-W Sec. 23: Lots 1 thru 16, incl., (A11)	685.77	SF-078549 6-1-49	USA 12 $\frac{1}{2}$ %	Bill R. Vanderslice	Iona Giesen Riddle Robert B. Katson F. L. Fannin, Jr.	H. L. Fannin, Jr. Southern Union

15
25
15

EXHIBIT "B" (Continued)

5.	<u>T-24-N, R-12-W</u> Sec. 35: Lots 1 thru 16, Incl., (All)	685.52	SF-078686 4-1-48	USA 12 $\frac{1}{2}$ %	Kathryn B. Richardson	Robert E. McKee \$1000 per acre out of 5%		Humble Oil & Refining Company
6.	<u>T-24-N, R-12-W</u> Sec. 24: Lots 2, 4, 6, 8, 10, 12, 14, & 16	344.91	SF-078969-A 2-1-48	USA 12 $\frac{1}{2}$ %	George H. Smith	J. C. Fincher Estate of H. S. McGruder R. H. Ernest	1.25% .625% .625%	Three States Natural Gas Company
7.	<u>T-24-N, R-12-W</u> Sec. 24: Lots 1, 3, 5, 7, 9, 11, 13, 15	344.91	SF-078969-A 2-1-48	USA 12 $\frac{1}{2}$ %	George H. Smith	J. C. Fincher Estate of R. S. McGruder R. H. Ernest	1.25% .625% .625%	H. L. Fanning, Jr.
8.	<u>T-23-N, R-12-W</u> Sec. 26: All Sec. 34: E $\frac{1}{2}$, NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$	1160.00	SF-079155 5-1-48	USA 12 $\frac{1}{2}$ %	Noah Spatter	Thelma W. Graham Noah Spatter	2% 3%	Fubco Development, Incorporated
9.	<u>T-23-N, R-12-W</u> Sec. 28: NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$	280.00	SF-079155-A 5-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Thelma M. Graham Noah Spatter and Frances Spatter, \$1000 per acre out of	2% 3%	Humble Oil & Refining Company
10.	<u>T-23-N, R-12-W</u> Sec. 23: Lots 1 thru 8, Incl. S $\frac{1}{2}$ (All) Sec. 24: Lots 1 thru 8, Incl., S $\frac{1}{2}$ (All)	1299.83	SF-079179 9-1-48	USA 12 $\frac{1}{2}$ %	Texas National Petroleum Company R. E. Beaman	Jose E. Armijo Carl W. Ilfield	1.25% 1.25%	Texas National Petroleum Company
11.	<u>T-23-N, R-12-W</u> Sec. 17: Lot 11, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$ (SW $\frac{1}{4}$) Sec. 18: Lots 5 and 6, E $\frac{1}{2}$ NE $\frac{1}{4}$ (NE $\frac{1}{4}$) Sec. 20: Lots 3, 4, 5, 6, 11, 12, 13, 14 (W $\frac{1}{2}$) Sec. 21: Lots 11, 12, 13, 14 (SW $\frac{1}{4}$)	822.58	SF-079200 8-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	J. Felix Hickman and Merle Hickman	5%	Humble Oil & Refining Company

EXHIBIT "B" (Continued)

12.	<u>T-23-N, R-12-W</u> Sec. 22: Lots 9 thru 16, incl. (S $\frac{1}{2}$)	329.64	SF-079532 9-1-48	USA 12 $\frac{1}{8}$ %	Tennessee Gas Transmission Company	David L. Mills	2 $\frac{1}{8}$ %	Tennessee Gas Transmission Company
13.	<u>T-23-N, R-12-W</u> Sec. 22: Lots 1 thru 8, incl. (N $\frac{1}{2}$)	331.67	SF-079532-A 9-1-48	USA 12 $\frac{1}{8}$ %	E. R. Richardson	Wylie J. Smith Joe Bonfield F. E. Chartier E. R. Richardson	1 $\frac{1}{8}$ % 5/8% 5/8% 2 $\frac{1}{8}$ %	Humble Oil & Refining Company
14.	<u>T-23-N, R-12-W</u> Sec. 12: Lots 1 thru 16, incl. (All)	674.32	SF-079534 9-1-48	USA 12 $\frac{1}{8}$ %	The Bay Petroleum Corporation	David L. Mills	2 $\frac{1}{8}$ %	Tennessee Gas Transmission Company
15.	<u>T-23-N, R-12-W</u> Sec. 13: Lots 1 thru 16, incl. (All) Sec. 14: Lots 1 thru 8, incl., NW $\frac{1}{4}$	1158.60	SF-079619 9-1-48	USA 12 $\frac{1}{8}$ %	The Bay Petroleum Corporation	David L. Mills	2 $\frac{1}{8}$ %	Tennessee Gas Transmission Company
16.	<u>T-23-N, R-12-W</u> Sec. 1: Lots 5 thru 20, incl. (All)	684.88	SF-079674 9-1-48	USA 12 $\frac{1}{8}$ %	Herman A. Bishop and Joe J. Klabzuba	None		Herman A. Bishop Joe J. Klabzuba
17.	<u>T-23-N, R-12-W</u> Sec. 4: Lots 8 thru 23, incl. (All)	679.36	SF-079674-A 9-1-48	USA 12 $\frac{1}{8}$ %	Texas National Petroleum Company R. E. Beaman	Joe J. Klabzuba and Leontine Klab- zuba Herman A. Bishop and Opal Bishop William E. Bishop	5/6 1/6 2 $\frac{1}{8}$ % 2% 1 $\frac{1}{8}$ %	Texas National Petroleum Company
18.	<u>T-23-N, R-12-W</u> Sec. 27: Lots 1 thru 16, incl. (All)	686.42	SF-079680 11-1-47	USA 12 $\frac{1}{8}$ %	Paul F. Catterson	Martin A. Pierce	3%	Gulf Oil Corporation

EXHIBIT "B" (Continued)

19. T-24-N, R-12-W Sec. 19: Lots 5 thru 12, Incl. (N $\frac{1}{2}$)	336.66	SF-079709-A 2-1-50	USA 12 25	R. E. Beaman Texas National Petroleum Co.	1/6 5/6			
						Dan W. Johnston	.249993%	Texas National Petroleum
						T. J. Ahern	.252067%	Company
						E. W. Ingram	.160972%	
						Ralph A. Johnston	1.751225%	
						Henry M. Brown Estate	.241455%	
						R. L. Davison, Jr.	.072437%	
						Wilbur E. Hess	.072437%	
						Homer E. Ley	.072437%	
						James E. Mavor	.072437%	
						R. E. Beamon III	.008048%	
						E. F. Kalb	.040242%	
						Hugh G. Alexander	.040242%	
						Fondren Oil Co.	.040242%	
						J. W. Sloan	.020120%	
						C. S. Wallace	.020122%	
						Phil E. Davant	.080486%	
						Estate		
						Harry B. Botts	.040243%	
						E. R. Richardson	.080484%	
						S. A. Winkelman	.040242%	
						Alfred B. Smith	.040242%	
						Arthur C. Karr	.040242%	
						Mr. & Mrs. Louis A. Mazza	.040242%	
						Mildred Mazza	.040242%	
						Mrs. Dorothy Eliza- beth Bahn	.020120%	
						Jack Neveleff	.060363%	
						Mrs. Elva K. Dumas	.040242%	
						Earl G. Fridley	.008049%	
						C. B. Truitt	.080486%	
						Waters S. Davis, Jr.	.040243%	
						Gladys Davis	.020120%	
						Texas National Bank,	.020120%	
						Trustee Davis Trust	.020120%	
						Douglas E. Johnston	.080486%	
						L. A. Nordan	.080486%	
						D. E. Fagan	.016097%	
						Albert E. Fagan	.064388%	

EXHIBIT "B" (Continued)

19. Continued

Tract No.	Tract Description	Acres	Survey	Owner	Interest	Remarks	Operator
19.	Continued						
20.	<u>T-24-N, R-12-W</u> Sec. 19: Lots 13 thru 20 Incl. (S $\frac{1}{2}$)	336.90	SF-079709-B 2-1-50	USA 12 $\frac{1}{2}$ %	R. E. Beamon Texas National Petroleum Co.	1/6 5/6	Same as Tract 19 Texas National Petroleum Company
21.	<u>T-24-N, R-12-W</u> Sec. 21: Lots 9 thru 16, Incl. (S $\frac{1}{2}$)	343.06	SF-079712-A 11-1-48	USA 12 $\frac{1}{2}$ %	R. E. Beamon Texas National Petroleum Co.	1/6 5/6	Same as Tract 19 Texas National Petroleum Company
22.	<u>T-24-N, R-12-W</u> Sec. 20: Lots 1 thru 16, Incl. (All)	1024.68	SF-079712-B 11-1-48	USA 12 $\frac{1}{2}$ %	R. E. Beamon Texas National Petroleum Co.	1/6 5/6	Same as Tract 19 Texas National Petroleum Company
23.	<u>T-23-N, R-12-W</u> Sec. 3: Lots 5 thru 16, Incl.	2519.28	SF-079718 9-1-48	USA 12 $\frac{1}{2}$ %	E. R. Richardson		George E. May and Josephine N. May Hubert Cone Blanche Cathoun Humble Oil & Refining Company
24.	<u>T-23-N, R-12-W</u> Sec. 18: SE $\frac{1}{4}$	160.00	NM-06612 12-1-51	USA 12 $\frac{1}{2}$ %	E. R. Richardson		J. F. Schaumberg and Bille W. Schaumberg Humble Oil & Refining Company

EXHIBIT "B" (Continued)

25.	<u>T-23-N, R-12-W</u> Sec. 30: Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (All)	635.32	NM-010765 12-1-48	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Blanche V. White and Emmett D. White \$1000 per acre out of	3%	Humble Oil & Refining Company
26.	<u>T-23-N, R-12-W</u> Sec. 28: NW $\frac{1}{4}$	160.00	NM-011698 5-1-54	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	W. R. Zachary and Violette M. Zachary \$1000 per acre out of	3%	Humble Oil & Refining Company
27.	<u>T-23-N, R-12-W</u> Sec. 15: Lots 1 thru 8, Incl., (S $\frac{1}{2}$)	333.66	NM-012010 10-1-53	USA 12 $\frac{1}{2}$ %	E. R. Richardson	M. H. McGrail	3%	Humble Oil & Refining Company
28.	<u>T-24-N, R-12-W</u> Sec. 25: Lots 1, 8, 9, 15 & 16	214.83	NM-012304 12-1-47	USA 12 $\frac{1}{2}$ %	Ruth C. Fritts	Robert Donnell and Marion Donnell	2%	Humble Oil & Refining Company
29.	<u>T-23-N, R-12-W</u> Sec. 34: S $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$	120.00	NM-013490 1-1-54	USA 12 $\frac{1}{2}$ %	Kathryn B. Richardson	Carl X. Richter and Uree H. Richter	5%	Humble Oil & Refining Company
30.	<u>T-23-N, R-12-W</u> Sec. 20: Lots 1, 2, 7, 8, 9, 10, 15, 16 (E $\frac{1}{2}$) Sec. 28: SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$	531.08	NM-013490-A 1-1-54	USA 12 $\frac{1}{2}$ %	Carroll T. Payne	Carl Richter and Uree M. Richter \$1000 per acre out of	3%	Humble Oil & Refining Company
31.	<u>T-23-N, R-12-W</u> Sec. 7: Lots 15, 16, 17, 18 (SW $\frac{1}{4}$) Sec. 21: Lots 1, 2, 7, 8, 9, 10, 15, 16 (E $\frac{1}{2}$)	497.65	NM-015202 10-1-54	USA 12 $\frac{1}{2}$ %	Ruth C. Fritts	Jack O. Cecil and Virginia Cecil R. A. Crane and Lillian Crane	4 $\frac{1}{2}$ % 1 $\frac{1}{2}$ %	Humble Oil & Refining Company
32.	<u>T-23-N, R-12-W</u> Sec. 5: Lots 13 thru 20, Incl., (S $\frac{1}{2}$) Sec. 7: Lots 5 thru 12, Incl., (N $\frac{1}{2}$) Sec. 8: Lots 1 thru 14, Incl., S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)	1354.27	NM-015535 11-1-54	USA	Tom Bolack	None		Tom Bolack

EXHIBIT "B" (Continued)

33.	<u>T-24-N, R-12-W</u> Sec. 22: Lots 1 thru 16, Incl. (A11)	687.07	NM-017777 7-1-55	USA 12 $\frac{1}{2}$ %	E. R. Richardson	Mary C. Burton and John Burton	5%	Humble Oil & Refining Company
34.	<u>T-23-N, R-12-W</u> Sec. 19: Lots 13 thru 20, Incl., (S $\frac{1}{2}$)	326.29	NM-018524 Application	USA 12 $\frac{1}{2}$ %	Hoover H. Wright	None		Humble Oil & Refining Company
35.	<u>T-23-N, R-12-W</u> Sec. 7: Lots 13, 14, 19 SE $\frac{1}{4}$ SE $\frac{1}{4}$ (SE $\frac{1}{4}$)	167.35	SF-080414-A 8-1-51	USA 12 $\frac{1}{2}$ %	Noah Spatter	None		Noah Spatter
36.	<u>T-23-N, R-12-W</u> Sec. 29: A11	640.00	NM-023953 8-1-56	USA 12 $\frac{1}{2}$ %	Emmett D. White	Emmett D. White	3%	Humble Oil & Refining Company
37.	<u>T-23-N, R-12-W</u> Sec. 17: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13 Sec. 21: Lots 3, 4, 5, 6	670.57	NM-028092 1-1-57	USA 12 $\frac{1}{2}$ %	J. A. Burch	J. A. Burch	5%	Midwater Oil Company

37 Federal Tracts Containing 26,960.84 Acres or 75.4125% of Unit Area

* Some Federal Leases are presently held under Option Agreement

WITHDRAWN LAND

THIS LAND WITHDRAWN FOR RECLASSIFICATION -
EXACT STATUS UNKNOWN - TRACT NUMBERS NOT ASSIGNED

<u>T-23-N, R-12-W</u>	
Sec. 25: A11	640.00 Acres
Sec. 27: A11	
Sec. 31: Lots 1, 2, 3, 4, E $\frac{1}{2}$ W $\frac{1}{2}$, E $\frac{1}{2}$ (A11)	640.00 Acres
Sec. 33: A11	635.28 Acres
Sec. 35: A11	640.00 Acres

TOTAL - 3,195.28 Acres, 8.9376% of Unit Area

INDIAN ALLOTTED LAND

THIS LAND NOT UNDER OIL & GAS LEASE -
OWNERSHIP CANNOT BE DETERMINED - TRACT
NUMBERS HAVE NOT BEEN ASSIGNED

T-23-N, R-12-W

Sec. 2: SE $\frac{1}{4}$	160.00 Acres
Sec. 3: SW $\frac{1}{4}$	160.00 "
Sec. 10: E $\frac{1}{2}$	320.00 "
Sec. 11: All	640.00 "
Sec. 14: NE $\frac{1}{4}$	160.00 "
Sec. 15: N $\frac{1}{2}$	320.00 "
Sec. 18: Lots 1, 2, E $\frac{1}{2}$ NW $\frac{1}{4}$ (NW $\frac{1}{4}$)	156.76 "

TOTAL - 1,916.76 Acres, 5,361 $\frac{3}{8}$ of Unit Area

STATE LANDS

39.	T-24-N, E-12-W Sec. 32: All Sec. 36: All	1280.00	B-111122-1 3-20-44	State 12 $\frac{1}{2}$ %	Standard Oil Company of Texas	None		Standard Oil Company of Texas
40.	T-23-N, E-12-W Sec. 2: Lots 1, 2, 3, 4, SW $\frac{1}{4}$ Sec. 34: All Sec. 32: E $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$	1438.28	E-4776-2 12-4-50	State 12 $\frac{1}{2}$ %	Humble Oil & Refining Company	W. L. Brimhall George Foster Al Greer Ray Atchison Harold Montgomery Richard M. Krannawitter James A. Tadlock Gilbert Archuleta	.600% .600% .600% .300% .300% .275% .275% .050%	Humble Oil & Refining Company
41.	T-23-N, E-12-W Sec. 16: All	640.00	E-7377 9-14-53	State 12 $\frac{1}{2}$ %	United Western Mineral Company	None		United Western Mineral Company
42.	T-23-N, E-12-W Sec. 32: W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ N $\frac{1}{2}$ SW $\frac{1}{4}$	320.00	E-7609 11-24-53	State 12 $\frac{1}{2}$ %	Humble Oil & Refining Company	None		Humble Oil & Refining Company

4 State of New Mexico Tracts containing 3,678.28 Acres or 10.2886% of Unit Area

TOTAL:	37 Federal Tracts	26,960.74 Acres	75.4125% of Unit Area
	Withdrawn Land	3,195.28 Acres	8.9376% of Unit Area
	Indian Allotted Land	1,916.76 Acres	5.3613% of Unit Area
	4 State of New Mexico Tracts	3,678.28 Acres	10.2886% of Unit Area
	<u>TOTAL TANNER UNIT AREA</u>	<u>37,571.16 Acres</u>	<u>100%</u>

CERTIFICATE OF APPROVAL
BY COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO
OF UNIT AGREEMENT FOR DEVELOPMENT AND OPERATION
OF TANNER UNIT AREA, SAN JUAN COUNTY, NEW MEXICO

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, an agreement for the development and operation of the Tanner Unit Area, San Juan County, New Mexico, dated _____, 1957, in which Humble Oil & Refining Company is designated as Operator, and which has been executed by various parties owning and holding oil and gas leases embracing lands within the Unit Area and upon examination of said Agreement, the Commissioner finds;

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said field;
- (b) That under the operations proposed, the State will receive its fair share of the recoverable oil or gas in place under its land in the area affected;
- (c) That the agreement is in other respects for the best interest of the State;
- (d) That the agreement provides for the unit operation of the field, for the allocation of production, and the sharing of proceeds from a part of the area covered by the agreement on an acreage basis as specified in the agreement.

NOW THEREFORE, by virtue of the authority conferred upon me by the laws of the State of New Mexico, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the above referred to Tanner Unit Agreement as to the lands of the State of New Mexico committed thereto, and all oil and gas leases embracing lands of the State of New Mexico committed to said Agreement shall be and the same are hereby amended so that the provisions thereof will conform to the provisions of said Unit Agreement, and so that the length of the secondary term of each such lease as to the lands within the unit area will be extended, insofar as necessary, to coincide with the term of said Unit Agreement, and in the event the term of said Unit Agreement shall be extended as provided therein, such extension shall also be effective to extend the term of each oil and gas lease embracing lands of the State of New Mexico committed to said Unit Agreement which would otherwise expire, so as to coincide with the extended term of such Unit Agreement.

IN WITNESS WHEREOF, this certificate of approval is executed as of this the _____ day of _____, 1957.

Commissioner of Public Lands of the
State of New Mexico

CERTIFICATION - DETERMINATION

Pursuant to the authority vested in the Secretary of Interior under the allotted Mineral Leasing Act of March 3, 1909, 35 Stat. 783, 25 U. S. C. sec. 396 and the Tribal Land Mineral Leasing Act of May 11, 1938, 52 Stat. 347, 25 U. S. C. secs. 396a, et seq., as to certain restricted and allotted Indian lands and delegated to the Commissioner of Indian Affairs by Departmental Order No. 2508 of January 11, 1949, 14 F. R. 258-260, and

Pursuant to the authority vested in the Secretary of Interior as to Federal lands, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Director of the Geological Survey pursuant to Departmental Order No. 2365 of October 8, 1947, 43 C. F. R. sec 4.611, 12 F. R. 6784, we do hereby:

A. Approve the attached agreement for the development and operation of the Tanner Unit Area, San Juan County, State of New Mexico.

B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.

C. Certify and determine that the drilling, producing, rental, and royalty requirements of all Indian leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

D. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Commissioner of Indian Affairs

Dated _____

Director, United States Geological Survey

Dated _____

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 1213
Order No. R-965

THE APPLICATION OF HUMBLE OIL AND
REFINING COMPANY FOR THE APPROVAL
OF ITS TANNER UNIT AGREEMENT
EMBRACING 35,751 ACRES, MORE OR
LESS, LOCATED IN TOWNSHIPS 23 AND
24 NORTH, RANGE 12 WEST, NMPM, SAN
JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on February 27, 1957, at Hobbs, New Mexico, before Warren W. Mankin, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of March, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Warren W. Mankin, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the proposed unit plan will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

1. That this order shall be known as the

TANNER UNIT AGREEMENT ORDER

2. (a) That the project herein referred to shall be known as the Tanner Unit Agreement and shall hereinafter be referred to as the "Project."

(b) That the Plan by which the project shall be operated shall be embraced in the form of a unit agreement for the development and operation of the Tanner Unit Area, referred to in the Petitioner's petition and filed with said petition, and such plan shall be known as the Tanner Unit Agreement Plan.

Case No. 1213
Order No. R-965

3. That the Tanner Unit Agreement Plan shall be, and hereby is, approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing in any manner any right, duties or obligations which are now, or may hereafter, be vested in the New Mexico Oil Conservation Commission by law relative to the supervision and control of operations for exploration and development of any lands committed to said Tanner Unit Agreement, or relative to the production of oil and gas therefrom.

4. (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

TOWNSHIP 23 NORTH, RANGE 12 WEST, NMPM

Section 1: Lots 5 thru 20 (All)
Section 2: Lots 1, 2, 3, 4, S/2 V/2, S/2 (All)
Section 3: Lots 5 thru 16, SW/4 (All)
Section 4: Lots 5 thru 20 (All)
Section 5: Lots 5 thru 20 (All)
Section 6: Lots 8 thru 23 (All)
Section 7: Lots 5 thru 19, SE/4 SE/4 (All)
Section 8: Lots 1 thru 14, S/2 SW/4 (All)
Section 9: Lots 1, 2, 3, 4, NE/4, S/2 (All)
Section 10: Lots 1 thru 8, E/2 (All)
Section 11: All
Section 12: Lots 1 thru 16 (All)
Section 13: Lots 1 thru 16 (All)
Section 14: Lots 1 thru 8, N/2 (All)
Section 15: Lots 1 thru 8, N/2 (All)
Section 16: All
Section 17: Lots 1 thru 13, NW/4 SW/4, S/2 SW/4 (All)
Section 18: Lots 1 thru 6, E/2 NW/4, E/2 NE/4, E/2 SW/4, SE/4 (All)
Section 19: Lots 5 thru 20 (All)
Section 20: Lots 1 thru 16 (All)
Section 21: Lots 1 thru 16 (All)
Section 22: Lots 1 thru 16 (All)
Section 23: Lots 1 thru 3, S/2 (All)
Section 24: Lots 1 thru 8, S/2 (All)
Sections 25 thru 29: All
Section 30: Lots 1, 2, 3, 4, E/2, E/2 W/2 (All)
Section 31: Lots 1, 2, 3, 4, E/2, E/2 V/2 (All)
Sections 32 thru 36: All

TOWNSHIP 24 NORTH, RANGE 12 WEST, NMPM

Section 19: Lots 5 thru 20 (All)
Section 20: Lots 1 thru 16 (All)
Section 21: Lots 1 thru 16 (All)
Section 22: Lots 1 thru 16 (All)
Section 23: Lots 1 thru 16 (All)
Section 24: Lots 1 thru 16 (All)

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Case No. 1213
Order No. R-965

TOWNSHIP 24 NORTH, RANGE 12 WEST, NMPM (continued)

Section 25: Lots 1 thru 16 (All)
Section 26: Lots 1 thru 16 (All)
Section 27: Lots 1 thru 16 (All)
Section 28: Lots 1 thru 16 (All)
Section 29: Lots 1 thru 16 (All)
Section 30: Lots 5 thru 20 (All)
Section 31: Lots 5 thru 20 (All)
Section 32: All
Section 33: Lots 1 thru 16 (All)
Section 34: Lots 1 thru 16 (All)
Section 35: Lots 1 thru 16 (All)
Section 36: All

containing 35,751 acres, more or less.

(b) The unit area may be enlarged or contracted as provided in said Plan.

5. That the unit operator shall file with the Commission an executed original or executed counterpart of the Tanner Unit Agreement within 30 days after the effective date thereof.

6. That any party owning rights in the unitized substances who does not commit such rights to said unit agreement before the effective date thereof may thereafter become a party thereto by subscribing to such agreement or counterpart thereof, or by ratifying the same. The unit operator shall file with the Commission within 30 days an original of any such counterpart or ratification.

7. That this order shall become effective upon the approval of said unit agreement by the Director of the United States Geological Survey and by the Commissioner of Public Lands for the State of New Mexico and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall immediately notify the Commission in writing of such termination.

DONE at Santa Fe, New Mexico on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

MURRAY E. MORGAN, Chairman

Murray E. Morgan

MURRAY E. MORGAN, Chairman

A. L. Foster

A. L. FOSTER, Jr., Member & Secretary



In reply refer to:
Unit Division

Hervey, Dow and Hinkle
First National Bank Building
Roswell, New Mexico

Re: Proposed Kinebeto Unit Agreement
and Tanner Unit Agreement,
San Juan County, New Mexico

Attention: Mr. Clarence E. Hinkle

Gentlemen:

We would like your interpretation of Section 2, Paragraph (e) of the elimination clause which is contained in the Minibeto and Tanner Unit Agreements.

The State Land Office desires a definite five year elimination clause on any portion of state acreage committed to this Unit, if at the end of a five year period it has not become part of a participating area and there is no drilling thereon.

Section 13, Paragraph (b) in both units is not according to our interpretation of the segregation clause, and the way we interpret it would tend to defeat the purpose of the segregation clause--quote, "or on a well spacing Unit defined or approved by the Commission including some part of the lands embraced in such lease, the same as to all lands embraced therein shall remain in full force and effect. . . ." It goes further to state that said lease shall continue in full force and effect as to all lands embraced therein so long thereafter as united substances in paying quantities are being produced from any portion of said lands, which does not necessarily mean on state acreage committed but state acreage merely making up part of a well spacing unit, and said well spacing unit as now undetermined.

May we hear from you concerning these two particular plans and your interpretation of same at your earliest convenience.

Mr. [redacted] QTS.

FRIDAY 2. 1960

The Honorable Commissioner
 Oil and Gas Department

DOI: 10.1002/for

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 3/5/57

CASE 1213

Hearing Date 10:00 am 3/27/57 at Hlbr before
WLB

My recommendations for an order in the above numbered cases are as follows:

OK to approve unit

includes Federal, Indian & State
lands

David H. Harkins
Staff Member
Examined

DOCKET: EXAMINER HEARING FEBRUARY 27, 1957

New Mexico Oil Conservation Commission 10:00 a.m. Hobbs, New Mexico
Oil Conservation Commission Office, 1000 W. Broadway, Hobbs, New Mexico.

The following cases will be heard before Warren W. Mankin, Examiner.

- CASE 1212: Application of Humble Oil & Refining Company for approval of its proposed Kinebeto Unit Agreement located in San Juan County, New Mexico, in accordance with Rule 507 of the New Mexico Oil Conservation Commission Statewide Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting approval of its proposed Kinebeto Unit Agreement embracing 46,062.94 acres, more or less, of federal, Indian, state and fee lands situated in Townships 22 and 23 North, Range 10 West, San Juan County, New Mexico.
- CASE 1213: Application of Humble Oil & Refining Company for approval of its proposed Tanner Unit Agreement located in San Juan County, New Mexico, in accordance with Rule 507 of the New Mexico Oil Conservation Commission Statewide Rules and Regulations. Applicant, in the above-styled cause, seeks an order granting approval of its proposed Tanner Unit Agreement embracing 35,751.16 acres, more or less, of federal, Indian and state lands located in Townships 23 and 24 North, Range 12 West, San Juan County, New Mexico.
- CASE 1214: Application of Great Western Drilling Company for a non-standard drilling and production unit in the South Carter-San Andres Oil Pool, Lea County, New Mexico, in exception to Rule 104 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order creating a 40-acre non-standard drilling and production unit in the South Carter-San Andres Oil Pool consisting of Lot 1 and the East 13.65 acres of the NE/4 NW/4 of Section 8, Township 18 South, Range 39 East, Lea County, New Mexico.
- CASE 1215: Application of Wilson Oil Company for an exception from the casing requirements in the Potash Oil Area as established by Order R-111-A. Applicant, in the above-styled cause, seeks an order authorizing the following casing program, in lieu of the shallow zone casing requirements established by Order R-111-A, for its proposed well in the NE/4 NE/4 of Section 21, Township 20 South, Range 34 East, Lea County, New Mexico: 13-5/8 inch casing in top of the red bed to approximately 70 feet; 10-3/4 inch casing as cave string to about 700 feet; 8-5/8 inch casing, this being the water shut-off string to about 1300 feet, but in any event below the water; 7 or 5 1/2 inch string to be set and cemented at a point selected by the operator above pay zone. The well location is on federal survey and is to be drilled with cable tools and the first productive horizon is expected at 3605 feet.

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Docket No. 7-57

CASE 1216: Application of Continental Oil Company for a 320-acre non-standard gas proration unit in the Jalmat Gas Pool in exception to Rule 5 (a) of the Special Rules and Regulations for said pool. Applicant, in the above-styled cause, seeks an order approving a 320-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the N/2 of Section 17, Township 24 South, Range 37 East, Lea County, New Mexico. Said unit to be dedicated to applicant's Jack "B-17" Well No. 3 located 990 feet from the North and East lines of said Section 17.

-Case# 1213

J. M. HERVEY 1874-1953
HIRAM M. DOW
CLARENCE E. HINKLE
W. E. BONDURANT, JR.
GEORGE H. HUNKER, JR.
HOWARD C. BRATTON
S. B. CHRISTY, IV
J. PENROD TOLES
LEWIS C. COX, JR.
PAUL W. EATON, JR.

LAW OFFICES
HERVEY, DOW & HINKLE
FIRST NATIONAL BANK BUILDING
ROSWELL, NEW MEXICO

TELEPHONE MAIN 2-6510

February 5, 1957

New Mexico Oil Conservation Commission
Santa Fe
New Mexico

Re: Application for Approval of Tanner Unit Agreement
San Juan County, New Mexico

Gentlemen:

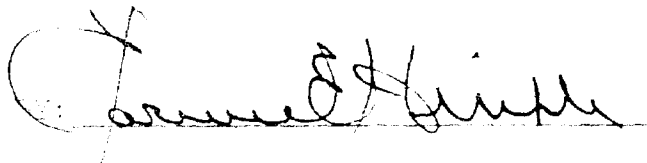
We enclose herewith in triplicate Application of the Humble Oil & Refining Company for approval of the proposed Tanner Unit Agreement embracing lands in San Juan County, New Mexico. You will also find enclosed three copies of the proposed Unit Agreement.

The area described in the application has been designated by the U.S.G.S. as an area suitable and proper for unitization and the agreement has been approved as to form by the U.S.G.S. We are making application to the Commission of Public Lands for approval as to form and for approval of the unit after it has been approved by the Conservation Commission.

We would like to have this matter set down for hearing as soon as practicable and have no objection to having it set before an examiner at Hobbs. Please send us a copy of the notice as soon as prepared and ready for publication.

Very very truly,

HERVEY, DOW & HINKLE



CC: Mr. J. A. ...

cc: Mr. J. A. ...

1. ...

cc: Mr. J. A. ...

1. ...

BEFORE THE OIL CONSERVATION COMMISSION
STATE OF NEW MEXICO

44-11213

APPLICATION FOR APPROVAL OF TANNER
UNIT AGREEMENT, SAN JUAN COUNTY, NEW MEXICO

New Mexico Oil Conservation Commission
Santa Fe, New Mexico

Comes the undersigned, Humble Oil & Refining Company,
a corporation, with offices at Houston, Texas, and files herewith
three copies of the proposed unit agreement for the development and
operation of the Tanner Unit Area, San Juan County, New Mexico,
and hereby makes application for the approval of said unit agreement
as provided by law, and in support thereof, shows:

1. That the proposed unit area covered by said agreement
embraces 35,751.16 acres, more or less, more particularly described
as follows:

NEW MEXICO PRINCIPAL MERIDIAN

T. 23 N., R. 12 W., N.M.P.M.

Sec. 1: Lots 5 thru 20 (All)
Sec. 2: Lots 1, 2, 3, 4, S $\frac{1}{2}$ N $\frac{1}{2}$, S $\frac{1}{2}$ (All)
Sec. 3: Lots 5 thru 16, SW $\frac{1}{4}$ (All)
Sec. 4: Lots 5 thru 20 (All)
Sec. 5: Lots 5 thru 20 (All)
Sec. 6: Lots 3 thru 23 (All)
Sec. 7: Lots 5 thru 19, SE $\frac{1}{4}$ SE $\frac{1}{4}$ (All)
Sec. 8: Lots 1 thru 14, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
Sec. 9: Lots 1, 2, 3, 4, NE $\frac{1}{4}$, S $\frac{1}{2}$ (All)
Sec. 10: Lots 1 thru 4, NE $\frac{1}{4}$ (All)
Sec. 11: All
Sec. 12: Lots 1 thru 4 (All)
Sec. 13: Lots 1 thru 4 (All)
Sec. 14: Lots 1 thru 4 (All)
Sec. 15: Lots 1 thru 4 (All)
Sec. 16: All
Sec. 17: Lots 1 thru 16, NE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$ (All)
Sec. 18: Lots 1 thru 4, NE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ (All)
Sec. 19: Lots 5 thru 20 (All)
Sec. 20: Lots 5 thru 16 (All)
Sec. 21: Lots 1 thru 16 (All)
Sec. 22: Lots 1 thru 16 (All)
Sec. 23: Lots 1 thru 16, S $\frac{1}{2}$ (All)
Sec. 24: Lots 1 thru 16, S $\frac{1}{2}$ (All)
Secs. 25 thru 28: All
Sec. 29: Lots 1, 2, 3, 4, NE $\frac{1}{4}$ (All)
Sec. 30: Lots 1, 2, 3, 4, NE $\frac{1}{4}$ (All)
Sec. 31: All

Sec. 19:	Lots 5 thru 21	(All)
Sec. 20:	Lots 1 thru 1	(All)
Sec. 21:	Lots 1 thru 1	(All)
Sec. 22:	Lots 1 thru 1	(All)
Sec. 23:	Lots 1 thru 1	(All)
Sec. 24:	Lots 1 thru 1	(All)
Sec. 25:	Lots 1 thru 1	(All)
Sec. 26:	Lots 1 thru 1	(All)
Sec. 27:	Lots 1 thru 1	(All)
Sec. 28:	Lots 1 thru 1	(All)
Sec. 29:	Lots 1 thru 1	(All)
Sec. 30:	Lots 5 thru 20	(All)
Sec. 31:	Lots 5 thru 20	(All)
Sec. 32:	All	
Sec. 33:	Lots 1 thru 1	(All)
Sec. 34:	Lots 1 thru 1	(All)
Sec. 35:	Lots 1 thru 1	(All)
Sec. 36:	All	

3. That applicant is informed and believes, and upon such information and belief, states: That the proposed unit area covers a substantial part of the geological feature involved, and in the event of the discovery of oil or gas thereon, that said unit agreement will permit the producing area to be developed and operated in the interest of conservation and the prevention of waste of the initial conditions.

... () ... after the effective ...
other wells are to be drilled with the ...
(60) days between the time of the completion of one well and the commence-
ment of the next, however, the unit operator is not required to drill
any of said wells to a depth in excess of 5,000 feet.

5. That said unit agreement is in substantially the same
form as unit agreements heretofore approved by the Commissioner of
Public Lands of the State of New Mexico and by the New Mexico Oil
Conservation Commission, and it is believed that in the event oil
or gas in paying quantities is discovered on the lands within the
unit area, that the field or area can be developed more economically
and efficiently under the terms of said agreement, to the end that
the maximum recovery will be obtained, and that said unit agreement
is in the interest of the conservation of oil and gas and the
prevention of waste as contemplated by the New Mexico Oil Conservation
Commission statutes.

6. That application is being made for the approval of said
unit agreement by the Commissioner of Public Lands for the State of
New Mexico.

7. That upon an order being entered by the New Mexico Oil
Conservation Commission approving said unit agreement and after
approval thereof by the Commissioner of Public Lands of the State
of New Mexico and the Director of the United States Geological Survey,
an approved copy thereof will be filed with the New Mexico Oil
Conservation Commission.

WHEREFORE, the undersigned applicants respectfully request
that a public hearing be held on the application for approval of said
unit agreement and that the same be approved and approved by the
Commissioner of Public Lands of the State of New Mexico and by the
New Mexico Oil Conservation Commission and that the same be filed in
the interest of conservation of the petroleum resources.

DATED THIS 4th DAY OF FEBRUARY, 1944.

Respectfully submitted,

UNIT OPERATOR - EASTERN OIL COMPANY

R. M. Richardson