

Phoned
in by
Ginn Bruce
11/12/85

Roosevelt Cty.

Memo

From

MICHAEL STOGNER

Petroleum Engineer

To

Application of Murphy Operating Corporation
for statutory unitization, Roosevelt County,
New Mexico. Applicant, in the above-styled
cause, seeks an order unitizing, for the purposes
of a secondary recovery project, all mineral
interests in the San Andres Formation underlying

~~the~~

~~comprising~~ 2160 acres, more or less, of Federal
lands in either all or portions of Sections
11, 12, 13, 14, and 24, Township 8 South, Range
37 East, and Sections 18 and 19, Township
8 South, Range 38 East, Blitt - San

Andres Associated Pool. Said Unit to be designated
the Blitt San Andres.

Among the matters to be considered at the hearing will be the necessity of unit operations; the designation of a unit operator; the determination of the horizontal and vertical limits of the unit area; the determination of the fair, reasonable, and equitable allocation of production and costs of production, including capital investment, to each of the various tracts in the unit area; the determination of credits and charges to be made among the various owners in the unit area for their investment in well and equipment; and such other matters as may be necessary and appropriate for carrying on efficient unit operations, including, but not necessarily limited to, unit voting procedures, selection, removal, or substitution of unit operator, and time of commencement and termination of unit operations.

(Federal) Unit Area

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*NOT LICENSED IN NEW MEXICO

November 22, 1985

Case 5779

RECEIVED

NOV 22 1985

OIL CONSERVATION DIVISION

Florene Davidson
New Mexico Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87501

HAND DELIVERED

Dear Florene:

Enclosed are an original and one copy of the Application of Murphy Operating Corporation for Statutory Unitization, etc. Please call me if you have any questions.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY


James Bruce

JGB:jr
Enclosure

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

RECEIVED

NOV 22 1985

APPLICATION OF MURPHY OPERATING CORPORATION FOR STATUTORY UNITIZATION, APPROVAL OF A UNIT, AND FOR AUTHORITY TO INSTITUTE A WATER FLOOD PROJECT, ROOSEVELT COUNTY, NEW MEXICO.

OIL CONSERVATION DIVISION

No. 8779

APPLICATION

Murphy Operating Corporation hereby applies to the New Mexico Oil Conservation Division for an order approving statutory unitization of the area and formation known as the Bluit San Andres Unit, Roosevelt County, New Mexico, approving the Unit, and authorizing applicant to institute a water flood project for the Bluit San Andres Unit, and in support thereof, states:

1. Murphy Operating Corporation is engaged in the business of, among other things, producing and selling oil and gas as defined by the New Mexico Statutory Unitization Act (N.M. Stat. Ann. §§ 70-7-1 through 70-7-21 (1978), hereinafter referred to as the "Act").

2. The proposed area for which application is made for unitized operations pursuant to the Act is known as the Bluit San Andres Unit, Roosevelt County, New Mexico (the "Unit Area"), and consists of 1800 acres, more or less, in Roosevelt County, New Mexico, being more particularly described in Exhibit "A" attached hereto. A map of the Unit Area is attached hereto as Exhibit "B".

3. The formation for which application is made (the "Unitized Formation") is the subsurface portion of the Unit Area known as the San Andres formation, and the vertical limits thereof are found in the interval between 4640 and 4676 feet as measured on the nuclear log run in the Murphy Operating Corporation Bluit Fed. Well No. 3 on October 17, 1977, said well located 660 feet from the South line and 1980 feet from the East line of Section 13, Township 8 South, Range 37 East, Roosevelt County, New Mexico. The Unitized Formation shall further include all subsurface points throughout the Unit Area correlative to the aforementioned identified depths.

4. The portion of the Unitized Formation included within the Unit Area has been reasonably defined by development.

5. Murphy Operating Corporation proposes to institute a water flood project for the secondary recovery of oil and gas from the Unitized Formation within the Unit Area.

6. The proposed plan of unitization is embodied in the Unit Agreement, a true copy of which is attached hereto as Exhibit "C", and the plan is fair, reasonable and equitable.

7. The proposed operating plan covering the manner in which the Unit will be supervised and managed and costs allocated and paid is embodied in the Unit Operating Agreement, a true copy of which is attached hereto as Exhibit "D".

8. Murphy Operating Corporation projects that the unitized management, operation and further development of the Unitized Formation will increase production by approximately 1.7 million barrels of oil, will improve the producing rate, and will extend

the producing life of the formation beyond the year 2000. It is therefore evident that the unitized management, operation and further development of the Unitized Formation is reasonably necessary in order to effectively carry on water flood and secondary recovery operations to substantially increase the ultimate recovery of oil and gas from the Unitized Formation within the Unit Area.

9. The method of operation which is proposed in the Unit Operating Agreement is feasible, will prevent waste and will result with reasonable probability in the increased recovery of substantially more oil and gas from the Unitized Formation than would otherwise be recovered.

10. The estimated additional costs of conducting unitized operations will not exceed the estimated value of the additional oil and gas to be recovered, plus a reasonable profit.

11. The proposed unitization and adoption of the methods of operation embodied in the Unit Operating Agreement will benefit the working interest owners and royalty owners of the oil and gas rights within the Unitized Formation of the Unit Area.

12. Murphy Operating Corporation has made a good faith effort to secure voluntary unitization within the Unitized Formation of the Unit Area.

13. The participation formula contained in the Unit Agreement allocates the produced and saved unitized hydrocarbons to the separately owned tracts in the Unit Area on a fair, reasonable and equitable basis, and protects the correlative rights of all owners of interest within the Unit Area.

14. The statutory unitization of the Unitized Formation within the Unit Area in accordance with the plan embodied in the Unit Agreement and Unit Operating Agreement will prevent waste and protect correlative rights.

15. By converting certain presently producing wells, Murphy Operating Corporation proposes to inject fluids into the above described San Andres formation in the Bluit San Andres Unit. Attached hereto is Exhibit "E", which is a plat showing the location of all wells located within the Unit Area which are proposed to be used as producing wells or injection wells, with proposed injection wells circled in red. In addition, Exhibit "E" also shows all wells and lessees that are located within a two-mile radius of the proposed injection wells.

16. The water to be used for injection for the waterflood project shall be acquired from the most economical of three commercial sources in the immediate area of the proposed Unit. It is projected that 1200 barrels of water per day will be initially injected, and if successful, up to 4800 barrels of water per day will be injected.

17. Water is to be injected at a surface pressure not to exceed 0.2 psi per foot of depth to top of injection zone, provided that surface pressure in excess of 0.2 psi per foot of depth to injection zone may be applied upon administrative approval as provided by Oil Conservation Division rules and regulations.

18. Approval of the water flood project will substantially increase recoverable reserves to be produced within the useful

life of production facilities, thereby preventing waste and protecting correlative rights.

WHEREFORE, Murphy Operating Corporation requests that this application be set for hearing before the Division at the earliest practicable date and that the Division enter its order approving the Unit Agreement and Unit Operating Agreement, providing for the unitized management, operation and further development of the Unitized Formation and the Unit Area in accordance with the Act, and approving the water flood project.

Murphy Operating Corporation further requests the establishment of a project allowable in accordance with Rule 701 and also the establishment of an administrative procedure for any change in, or additional, injection wells which might prove to be necessary.

Respectfully submitted,

HINKLE, COX, EATON, COFFIELD & HENSLEY

By 
T. Calder Ezzell, Jr.
P. O. Box 10
Roswell, New Mexico 88201
(505) 622-6510

Attorneys for Murphy Operating Corporation

EXHIBIT "A"

Township 8 South, Range 37 East

Section 11: SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 12: S $\frac{1}{2}$ S $\frac{1}{2}$

Section 13: All

Section 14: E $\frac{1}{2}$ E $\frac{1}{2}$

Section 24: N $\frac{1}{2}$

Township 8 South, Range 38 East

Section 18: W $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$

Section 19: NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$

EXHIBIT "C"

UNIT AGREEMENT

BLUITT SAN ANDRES UNIT

COUNTY OF ROOSEVELT

STATE OF NEW MEXICO

UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

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Exhibit "A" (Map of Unit Area)

Exhibit "B" (Schedule of Ownership and Tract Participation)

Exhibit "C" (Section 202 of Executive Order 11246)

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the 1st day of November, 1985, 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. Secs. 181 et seq., authorizes Federal lessees and their representative 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 (Section 1, Chapter 38, Laws 1943, as amended by Section 1, Chapter 162, Laws of 1951; Chapter 19, Article 10, Section 47, New Mexico Statutes Annotated) to amend with the approval of lessee, evidenced by the lessee's execution of such agreement or otherwise, any oil and gas lease embracing State lands so that the length of the term of said lease may coincide with the term of such agreements for the unit operation and development of part or all of any oil or gas pool, field or area; and

WHEREAS, the Oil Conservation Division of the State of New Mexico (hereinafter referred to as the "Division") is authorized by an Act of the Legislature (Chapter 72, laws of 1935 as amended; Chapter 70, Article 2, Section 2 et seq., New Mexico Statutes 1978 Annotated) to approve this Agreement and the conservation provisions hereof; and

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

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

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

SECTION 1. ENABLING ACT AND REGULATIONS. The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder or valid, pertinent and reasonable regulations hereafter issued thereunder are accepted and made a part of this Agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this Agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the effective date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the state in which the non-Federal land is located, are hereby accepted and made a part of this Agreement.

SECTION 2. UNIT AREA AND DEFINITIONS. For the purpose of this Agreement, the following terms and expressions as used herein shall mean:

(a) "Unit Area" is defined as those lands described in Exhibit "B" and depicted on Exhibit "A" hereof, and such land is hereby designated and recognized as constituting the Unit Area, containing 1800.00 acres, more or less, in Roosevelt County, New Mexico.

(b) "Land Commissioner" is defined as the Commissioner of Public Lands of the State of New Mexico.

(c) "Division" is defined as the Oil Conservation Division of the Department of Energy and Minerals of the State of New Mexico.

(d) "Director" is defined as the Director of the Bureau of Land Management for the State of New Mexico or any person authorized to act on the Director's behalf.

(e) "Secretary" is defined as the Secretary of the Interior of the United States of America, or his duly authorized delegate.

(f) "Department" is defined as the Department of the Interior of the United States of America.

(g) "Authorized Officer (AO)" is defined as any employee of the Bureau of Land Management who has been delegated the authority to perform the duties described in this Part.

(h) "Unitized Formation" shall mean that subsurface portion of the Unit Area commonly known as the San Andres formation, and which is the same formation that was encountered between the logged depths of 4640' (subsea elevation of -643) and 4676' (subsea elevation of -679') in the Murphy Operating Corporation Bluit Federal Well No. 3 as shown on the Nuclear Log of said well dated October 17, 1977, which well is located 660' FSL and 1980' FEL of Section 13, T-8-S, R-37-E, NMPM, Roosevelt County, New Mexico.

(i) "Unitized Substances" are all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons, other than outside substances, within and produced from the Unitized Formation, of the Unitized Land.

(j) "Tract" is each parcel of land described as such and given a Tract number in Exhibit "B."

(k) "Tract Participation" is defined as the percentage of participation shown on Exhibit "B" for allocating Unitized Substances to a Tract under this Agreement.

(l) "Unit Participation" is the sum of the percentages obtained by multiplying the Working Interest of a Working Interest Owner in each Tract by the Tract Participation of such Tract.

(m) "Working Interest" is the right to search for, produce and acquire Unitized Substances whether held as an incident of ownership of mineral fee simple title, under an oil and gas lease, or otherwise held, which interest is chargeable with and obligated to pay or bear, either in cash or out of production, or otherwise, all or a portion of the cost of drilling, developing and producing the Unitized Substances from the Unitized Formation and operations thereof hereunder. Provided that any royalty interest created out of a working interest subsequent to the execution of this Agreement by the owner of the working interest shall continue to be subject to such working interest burdens and obligations.

(n) "Working Interest Owner" is any party hereto owning a Working Interest, including a carried working interest owner, holding an interest in Unitized Substances by virtue of a lease, operating agreement, fee title or otherwise. The owner of oil and gas rights that are free of lease or other instrument creating a Working Interest in another shall be regarded as a Working Interest Owner to the extent of seven-eighths (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

(o) "Royalty Interest" or "Royalty" is an interest other than a Working Interest in or right to receive a portion of the Unitized Substances or the proceeds thereof and includes the royalty interest reserved by the lessor or by an oil and gas lease and any overriding royalty interest, oil payment interest, net profit contracts, or any other payment or burden which does not carry with it the right to search for and produce Unitized Substances.

(p) "Royalty Owner" is the owner of a Royalty Interest.

(q) "Unit Operating Agreement" is the agreement entered into by and between the Unit Operator and the Working Interest Owners as provided in Section 9, infra, and shall be styled "Unit Operating Agreement, Bluit San Andres Unit, Roosevelt County, New Mexico."

(r) "Oil and Gas Rights" is the right to explore, develop and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.

(s) "Outside Substances" is any substance obtained from any source other than the Unitized Formation and injected into the Unitized Formation.

(t) "Unit Manager" is any person or corporation appointed by Working Interest Owners to perform the duties of Unit Operator until the selection and qualification of a successor Unit Operator as provided for in Section 7 hereof.

(u) "Unit Operator" is the party designated by Working Interest Owners under the Unit Operating Agreement to conduct Unit Operations.

(v) "Unit Operations" is any operation conducted pursuant to this Agreement and the Unit Operating Agreement.

(w) "Unit Equipment" is all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.

(x) "Unit Expense" is all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this Agreement and the Unit Operating Agreement for or on account of Unit Operations.

SECTION 3. EXHIBITS. The following exhibits are incorporated herein by reference: Exhibit "A" attached hereto is a map showing the Unit Area and the boundaries and identity of tracts and leases in said Unit Area to the extent shown to the Unit Operator. Exhibit "B" attached hereto is a schedule showing, to the extent known to the Unit Operator, the acreage comprising each tract, percentages and kind of ownership of oil and gas interests in all land in the Unit Area, and Tract Participation of each Tract. 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. Exhibit "C" attached hereto is the provisions of paragraphs 1 through 7 of Section 202 of Executive Order 11246. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes render such revision necessary or when requested by the AO, and copies of such revision shall be filed with the Land Commissioner, and not less than seven copies shall be filed with the AO.

SECTION 4. EXPANSION. The above described Unit Area may when practicable be expanded to include therein any additional Tract or Tracts regarded as reasonably necessary or advisable for the purposes of this Agreement. Such expansion shall be effected in the following manner:

(a) The Working Interest Owner or Owners of a Tract or Tracts desiring to bring such Tract or Tracts into this unit, shall file an application therefor with Unit Operator requesting such admission.

(b) Unit Operator shall circulate a notice of the proposed expansion to each Working Interest Owner in the Unit Area and in the Tract proposed to be included in the unit, setting out the basis for admission, the Tract Participation to be assigned to each Tract in the enlarged Unit Area and other pertinent data. After negotiation (at Working Interest Owners' meeting or otherwise) if at least three Working Interest Owners having in the aggregate eighty percent (80%) Unit Participation then in effect have agreed to inclusion of such Tract or Tracts in the Unit Area, then Unit Operator shall:

(1) After obtaining preliminary concurrence by the Director, prepare a notice of proposed expansion describing the contemplated changes in the boundaries of the Unit Area, the reason therefor, the basis for admission of the additional Tract or Tracts, the Tract Participation to be assigned thereto and the proposed effective date thereof; and

(2) Deliver copies of said notice to the Land Commissioner, the AO, each Working Interest Owner and to the lessee and lessor whose interests are affected, advising such parties that thirty (30) days will be allowed for submission to the Unit Operator of any objection to such proposed expansion; and

(3) File, upon expiration of said thirty (30) day period as set out in (2) immediately above with the Land Commissioner and AO the following: (a) evidence of mailing or delivering copies of said notice of expansion; (b) an application for approval of such expansion; (c) an instrument containing the appropriate joinders in compliance with the participation requirements of Section 14, and Section 32, infra; and (d) a copy of all objections received along with the operator's response thereto.

The expansion shall, after due consideration of all pertinent information and approval by the Land Commissioner and the AO, become effective as of the date prescribed in the notice thereof, preferably the first day of a month subsequent to the date of notice. The revised Tract Participation of the respective Tracts included within the Unit Area prior to such enlargement shall remain the same ratio one to another.

SECTION 5. UNITIZED LAND. All land committed to this Agreement as to the Unitized Formation shall constitute land referred to herein as "Unitized Land" or "Land subject to this Agreement." Nothing herein shall be construed to unitize, pool, or in any way affect the oil, gas and other minerals contained in or that may be produced from any formation other than the Unitized Formation as defined in Section 2(h) of this Agreement.

SECTION 6. UNIT OPERATOR. MURPHY OPERATING CORPORATION is hereby designated the Unit Operator, and by signing this instrument as Unit Operator, agrees and consents to accept the duties and obligations of Unit Operator for the oper-

the operation, 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 interests in Unitized Substances, when such interests are owned by it and the term "Working Interest Owner" when used herein shall refer to the Unit Operator as the owner of a Working Interest when such an interest is owned by it.

Unit Operator shall have a lien upon interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

SECTION 7. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time, 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 written notice of intention to resign has been given by Unit Operator to all Working Interest Owners, the Land Commissioner and the AO unless a new Unit Operator shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period. The resignation or removal 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 or removal.

The Unit Operator shall, upon default or failure in the performance of its duties and obligations hereunder, be subject to removal by Working Interest Owners having in the aggregate seventy-five percent (75%) or more Unit Participation then in effect exclusive of the Working Interest Owner who is the Unit Operator. Such removal shall be effective upon notice thereof to the Land Commissioner and the AO.

In all such instances of effective resignation or removal, until a successor to Unit Operator is selected and approved as hereinafter provided, the Working Interest Owners shall be jointly responsible for the performance of the duties of the Unit Operator and shall, not later than thirty (30) days before such resignation or removal becomes effective, appoint a Unit Manager 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 wells, equipment, books and records, materials, appurtenances and any other assets used in connection with the Unit Operations and used by the Working Interest Owners to the new duly qualified successor Unit Operator or to the Unit Manager if no such new Unit Operator is elected. Nothing herein contained shall be construed to relieve or discharge any Unit Operator or Unit Manager who resigns or is removed hereunder from any liability or duties accruing or performable by it prior to the effective date of such resignation or removal.

SECTION 8. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender its resignation as Unit Operator or shall be removed as hereinabove provided, the Working Interest Owners shall select a successor Unit Operator as herein provided. 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 Land Commissioner and the AO. If no successor Unit Operator or Unit Manager is selected and qualified as herein provided, the Land Commissioner and/or the Director, at their election, may declare this Agreement terminated.

In selecting a successor Unit Operator, the affirmative vote of three or more Working Interest Owners having a total of sixty-five percent (65%) or more of the total Unit Participation shall prevail; provided that if any one Working Interest Owner has a Unit Participation of more than thirty-five percent (35%), its negative vote or failure to vote shall not be regarded as sufficient unless supported by the vote of one or more other Working Interest Owners having a total Unit Participation of at least five percent (5%). If the Unit Operator who is removed votes only to succeed itself or fails to vote, the successor Unit Operator may be selected by the affirmative vote of the owners of at least seventy-five percent (75%) of the Unit Participation remaining after excluding the Unit Participation of the Unit Operator so removed.

SECTION 9. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. Costs and expenses incurred by Unit Operator and in conducting Unit Operations hereunder shall be paid, apportioned among and borne by the Working Interest Owners in accordance with 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 contracts and such other rights and obligations as

between Unit Operator and the Working Interest Owners as may be agreed upon by the 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 Agreement or to relieve the Unit Operator of any right or obligation established under this Agreement, and in case of any inconsistency or conflict between this Agreement and the Unit Operating Agreement, this Agreement shall prevail. Copies of any Unit Operating Agreement executed pursuant to this Section shall be filed with the Land Commissioner and with the AO as required prior to approval of this Agreement.

SECTION 10. 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. Upon request, 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.

SECTION 11. PLAN OF OPERATIONS. It is recognized and agreed by the parties hereto that all of the land subject to this Agreement is reasonably proved to be productive of Unitized Substances and that the object and purpose of this Agreement is to formulate and to put into effect an improved recovery project in order to effect additional recovery of Unitized Substances, prevent waste and conserve natural resources. The parties hereto agree that the Unit Operator may, subject to the consent and approval of a Plan of Operation by the Working Interest Owners, the AO, the Land Commissioner and the Division, inject into the Unitized Formation, through any well or wells completed therein, brine, water, air, gas, oil, liquified petroleum gases and any one or more other substances or combination of substances, whether produced from the Unitized Land or not, and that the location of input wells and the rates of injection therein shall be governed by standards of good geological and petroleum engineering practices and conservation methods. Subject to like approval, the Plan of Operation may be revised as conditions may warrant.

The initial Plan of Operation shall be filed with the AO, the Land Commissioner and the Division concurrently with the filing of this Unit Agreement for final approval. Said initial plan of operations and all revisions thereof shall be as complete and adequate as the AO, the Land Commissioner and the Division may determine to be necessary for timely operation consistent herewith. Upon approval of this Agreement and the initial plan by the AO and the Commissioner, said plan, and all subsequently approved plans, shall constitute the 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 like approval a plan for an additional specified period of operations. After such operations are commenced, reasonable diligence shall be exercised by the Unit Operator in complying with the obligations of the approved Plan of Operation.

Notwithstanding anything to the contrary herein contained, should the Unit Operator fail to commence Unit Operations for the secondary recovery of Unitized Substances from the Unit Area within eighteen (18) months after the effective date of this Agreement, or any extension thereof approved by the AO, this Agreement shall terminate automatically as of the date of default.

SECTION 12. USE OF SURFACE AND USE OF WATER. The parties have to the extent of their rights and interests, hereby granted to Unit Operator the right to use as much of the surface of the Unitized Land as may reasonably be necessary for Unit Operations; provided that nothing herein shall be construed as leasing or otherwise conveying to the Unit Operator a site for water, gas injection or other plants or camp site.

Unit Operator shall have free use of water or brine or both from the Unitized Land for Unit Operations, except water from any well, lake, pond or irrigation ditch of a surface owner, unless approval for such use is granted by the surface owner.

Unit Operator shall pay the Owner for damages to growing crops, timber, fences, improvements and structures on the Unitized Land that result from Unit Operations, and such payments shall be considered as items of Unit Expense to be borne by all Working Interest Owners of lands subject hereto.

SECTION 13. TRACT PARTICIPATION. In Exhibit "B" attached hereto, there are listed and numbered the various Tracts within the Unit Area, and set forth opposite each Tract are figures which represent the Tract Participation, during Unit Operations if all Tracts in the Unit Area qualify as provided herein. The Tract Participation of each Tract as shown in Exhibit "B" was determined in accordance with the following formula:

Tract Participation = 20% A + 80% B
Where A = Percent of Total Useable Wells in Unit Area.
B = Percent of Total Ultimate Primary Oil Recovery in Unit Area.

In the event less than all Tracts are qualified on the Effective Date hereof, the Tract Participation shall be calculated on the basis of all such qualified Tracts rather than all Tracts in the Unit Area.

SECTION 14. TRACTS QUALIFIED FOR PARTICIPATION. On and after the Effective Date hereof, the Tracts within the Unit Area which shall be entitled to participation in the production of Unitized Substances shall be those Tracts more particularly described in Exhibit "B" that corner or have a common boundary (Tracts separated only by a public road or a railroad right-of-way shall be considered to have a common boundary), and that otherwise qualify as follows:

(a) Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this Agreement and as to which Royalty Owners owning seventy-five percent (75%) or more of the Royalty Interest have become parties to this Agreement.

(b) Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the the Working Interest have become parties to this Agreement, and as to which Royalty Owners owning less than seventy-five percent (75%) of the Royalty Interest have become parties to this Agreement, and as to which (1) the Working Interest Owner who operates the Tract and at least seventy-five percent (75%) of all other Working Interest Owners in such Tract have joined in a request for the inclusion of such Tract, and as to which (2) owners of seventy-five percent (75%) of the combined Unit Participation in all Tracts that meet the requirements of Section 14(a) above have voted in favor of the inclusion of such tract.

(c) Each Tract as to which Working Interest Owners owning less than one hundred percent (100%) of the Working Interest have become parties to this Agreement, regardless of the percentage of Royalty Interest therein that is committed hereto; and as to which (1) the Working Interest Owner who operates the Tract and a total of seventy-five percent (75%) or more of the other Working Interest Owners in such Tract who have become parties to this Agreement have joined in a request for inclusion of such Tract, and have executed and delivered, or obligated themselves to execute and deliver an indemnity agreement indemnifying and agreeing to hold harmless the other owners of committed Working Interests, their successors and assigns, against all claims and demands that may be made by the owners of Working Interest in such Tract who are not parties to this Agreement, and which arise out of the inclusion of the Tract; and as to which (2) the owners of seventy-five percent (75%) of the Unit Participation in all Tracts that meet the requirements of Section 14(a) and 14(b) have voted in favor of the inclusion of such tract and to accept the indemnity agreement. Upon the inclusion of such a Tract, the Tract Participations which would have been attributed to the non-subscribing owners of Working Interest in such Tract, had they become parties to this Agreement and the Unit Operating Agreement, shall be attributed to the Working Interest Owners in such Tract who have become parties to such agreements, and joined in the indemnity agreement, in proportion to their respective Working Interests in the Tract.

If, on the Effective Date of this Agreement, there is any Tract or Tracts which have not been effectively committed to or made subject to this Agreement by qualifying as above provided, then such Tract or Tracts shall not be entitled to participate hereunder. Unit Operator shall, when submitting this Agreement for final approval by the Land Commissioner and the AO, file therewith a schedule of those tracts which have been committed and made subject to this Agreement and are entitled to participate in Unitized Substances. Said schedule shall set forth, opposite each such committed Tract, the lease number or assignment number, the owner of record of the lease, and the percentage participation of such tract which shall be computed according to the participation formula set forth in Section 13 (Tract Participation) above. This schedule of participation shall be revised Exhibit "B" and upon approval thereof by the Land Commissioner and the AO, shall become a part of this Agreement and shall govern the allocation of production of Unitized Substances until a new schedule is approved by the Land Commissioner and AO.

SECTION 15A. ALLOCATION OF UNITIZED SUBSTANCES. All Unitized Substances produced and saved (less, save and except any part of such Unitized Substances used in conformity with good operating practices on Unitized Land for drilling, operating, camp and other production or development purposes and for injection or unavoidable loss in accordance with a Plan of Operation approved by the AO) shall be apportioned among and allocated to the qualified tracts in accordance with the respective tract participations effective hereunder during the respective schedule of participation in Exhibit "B." The amount of Unitized Substances so allocated to each tract, and only that amount (regardless of whether it be more or less than the amount of the actual production of Unitized Substances from the well or wells, if any, on such tract) shall, for all intents, uses and purposes, be deemed to have been produced from such tract.

The Unitized Substances allocated to each tract shall be distributed among, or accounted for, to the parties entitled to share in the production from such tract in the same manner, in the same proportions, and upon the same conditions, as they would have participated and shared in the production from such tracts, or in the proceeds thereof, had this Agreement not been entered into; and with the same legal force and effect.

No tract committed to this Agreement and qualified for participation as above provided shall be subsequently excluded from participation hereunder on account of depletion of Unitized Substances.

If the working interest and/or the royalty interest in any tract are divided with respect to separate parcels or portions of such tract and owned now or hereafter in severalty by different persons, the Tract Participation shall, in the absence of a recordable instrument executed by all owners and furnished to Unit Operator fixing the divisions of ownership, be divided among such parcels or portions in proportion to the number of surface acres in each.

SECTION 15B. TAKING UNITIZED SUBSTANCES IN KIND. The Unitized Substances allocated to each Tract shall be delivered in kind to the respective Working Interest Owners and parties entitled thereto by virtue of the ownership of oil and gas rights therein. Each Working Interest Owner and the parties entitled thereto shall have the continuing right to receive such production in kind at a common point within the Unit Area and to sell or dispose of the same as it sees fit. Each party shall have the right to construct, maintain and operate all necessary facilities for that purpose on Unitized Land, provided the same are so constructed, maintained and operated so as not to interfere with operations carried on pursuant hereto. Subject to Section 17 hereof, any extra expenditure incurred by Unit Operator by reason of the delivery in kind of any portion of the Unitized Substances shall be borne by the party responsible therefor under the controlling lease or contract. In the event any Interest Owner shall fail to take or otherwise adequately dispose of its proportionate share of the production from the Unitized Formation currently as and when produced, then so long as such condition continues, Unit Operator, for the account and at the expense of the Working Interest Owner of the Tract or Tracts concerned, and in order to avoid curtailing the operation of the Unit Area, may, but shall not be required to, sell or otherwise dispose of such production to itself or to others on a day-to-day basis, provided that all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year, and at not less than the prevailing market price in the area for like production, and the account of such Working Interest Owner shall be charged therewith as having received such production. The net proceeds, if any, of the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owner of the Tract or Tracts concerned. Notwithstanding the foregoing, Unit Operator shall not make a sale into interstate commerce of any Working Interest Owner's share of gas production without first giving such Working Interest Owner sixty (60) days' notice of such intended sale.

Any Working Interest Owner receiving in kind or separately disposing of all or any part of the Unitized Substances allocated to any Tract, or receiving the proceeds therefrom if the same is sold or purchased by Unit Operator, shall be responsible for the payment of all Royalty, Overriding Royalty and Production Payments due thereon, and each such party shall hold each other Working Interest Owner harmless against all claims, demands and causes of action by owners of such royalty, overriding royalty and production payments.

If, after the Effective Date of this Agreement, there is any Tract or Tracts that are subsequently committed hereto, as provided in Section 4 (Expansion) hereof, or any Tract or Tracts within the Unit Area not committed hereto as of the Effective Date hereof but which are subsequently committed hereto under the provisions of Section 14 (Tracts Qualified for Participation) and Section 32 (Nonjoinder and Subsequent Joinder), or if any Tract is excluded from this

Agreement as provided for in Section 31 (Loss of Title), the schedule of participation as shown in Exhibit "B," upon approval by the Land Commissioner and the AO, shall govern the allocation of production on and after the effective date thereof until a revised schedule is approved as hereinabove provided.

If the Unit Area is enlarged, the revised Tract Participations of the Tracts which were within the Unit Area prior to the enlargement shall remain in the same ratio one to another.

SECTION 16. OUTSIDE SUBSTANCES. If gas obtained from formations not subject to this Agreement is introduced into the Unitized Formation for use in repressuring, stimulating of production or increasing ultimate recovery which shall be in conformity with a Plan of Operation first approved by the Land Commissioner and the AO, a like amount of gas with appropriate deduction for loss or depletion from any cause may be withdrawn from Unit wells completed in the Unitized Formation royalty free as to dry gas, but not royalty free as to the products extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the approved Plan of Operator or as otherwise may be consented to or prescribed by the Land Commissioner and the AO as conforming to good petroleum engineering practices and provided further that such right of withdrawal shall terminate on the termination date of this Agreement.

SECTION 17. ROYALTY SETTLEMENT. The State of New Mexico and United States of America and all Royalty Owners who, under an existing contract, are entitled to take in kind a share of the substances produced from any Tract unitized hereunder, shall continue to be entitled to such right to take in kind their share of the Unitized Substances allocated to such Tract, and Unit Operator shall make deliveries of such Royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for royalty 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 Royalty due under the leases, except that such Royalty shall be computed on Unitized Substances as allocated to each Tract in accordance with the terms of this Agreement. With respect to Federal leases committed hereto on which the royalty rate depends upon the daily average production per well, such average production shall be determined in accordance with the operating regulations pertaining to Federal leases as though the committed Tracts were included in a single consolidated lease.

If the amount of production or the proceeds thereof accruing to any Royalty Owner (except the United States of America) in a Tract depends on the average production per well or the average pipeline runs per well from such Tract during any period of time, then such production shall be determined from and after the Effective Date hereof by dividing the quantity of Unitized Substances allocated hereunder to such Tract during such period of time by the number of wells located thereon capable of producing Unitized Substances as of the Effective Date hereof, provided that any Tract not having any well so capable of producing Unitized Substances on the Effective Date hereof shall be considered as having one such well for the purpose of this provision.

All Royalty due the State of New Mexico and the United States of America and the other Royalty Owners hereunder shall be computed and paid on the basis of all Unitized Substances allocated to the respective Tract or Tracts committed hereto, in lieu of actual production from such Tract or Tracts.

Each Royalty Owner (other than the State of New Mexico and the United States of America) that executes this Agreement represents and warrants that it is the owner of a Royalty Interest in a Tract or Tracts within the Unit Area as its interest appears in Exhibit "B" attached hereto. If any Royalty Interest in a Tract or Tracts should be lost by title failure or otherwise in whole or in part, during the term of this Agreement, then the Royalty Interest of the party representing himself to be the owner thereof shall be reduced proportionately and the interests of all parties shall be adjusted accordingly.

SECTION 18. RENTAL SETTLEMENT. Rentals or minimum Royalties due on the 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 for lands of the State of New Mexico subject to this Agreement shall be paid at the rate specified in the respective leases from the State of New Mexico. Rental or minimum Royalty for lands of the United States of America subject to this Agreement shall be paid at

the rate specified in the respective leases from the United States of America, unless such rental or minimum Royalty is waived, suspended or reduced by law or by approval of the Secretary or his duly authorized representative.

SECTION 19. 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 Federal and State laws and regulations.

SECTION 20. 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.

The Unit Operator, upon approval by the Working Interest Owners, the AO and the Land Commissioner, is hereby empowered to enter into a borderline agreement or agreements with working interest owners of adjoining lands not subject to this Agreement with respect to operation in the border area for the maximum economic recovery, conservation purposes and proper protection of the parties and interest affected.

SECTION 21. 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 and gas on 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 and the Land Commissioner, respectively, shall and by their approval hereof, or by the approval hereof by their duly authorized representatives, do hereby establish, alter, change or revoke the drilling, producing, rental, minimum Royalty and Royalty requirements of Federal and State leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this Agreement.

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 part or separately owned Tract subject to this Agreement, regardless of whether there is any development of any particular part or Tract of the Unit Area, notwithstanding anything to the contrary in any lease, operating agreement or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.

(b) Drilling, producing or improved recovery operations performed hereunder shall be deemed to be performed upon and for the benefit of each Tract, 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 Land Commissioner and the Secretary, or their duly authorized representatives, shall be deemed to constitute such suspension pursuant to such direction or consent as to each Tract of unitized lands.

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

(e) Any lease embracing lands of the State of New Mexico which is made subject to this Agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

(f) Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall be segregated as to that portion committed and that not committed, and the terms of such lease shall apply separately to such segregated portions commencing as of the effective date hereof. Provided, however, that notwithstanding any of the provisions of this Agreement to the contrary, such lease (including both segregated portions) shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease if oil or gas is, or has heretofore been discovered in paying quantities on some part of the lands embraced in such lease committed to this Agreement or, so long as a portion of the Unitized Substances produced from the Unit Area is, under the terms of this Agreement, allocated to the portion of the lands covered by such lease committed to this Agreement, or, at any time during the term hereof, as to any lease that is then valid and subsisting and upon which the lessee or the Unit Operator is then engaged in bona fide drilling, reworking, or improved recovery operations on any part of the lands

embraced in such lease, then the same as to all lands embraced therein shall remain in full force and effect so long as such operations are diligently prosecuted, and if they result in the production of oil or gas, said lease shall continue in full force and effect as to all of the lands embraced therein, so long thereafter as oil or gas in paying quantities is being produced from any portion of said lands.

(g) The segregation of any Federal lease committed to this Agreement is governed by the following provision in the fourth paragraph of Section 17(j) of the Mineral Leasing Act, as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any (Federal) lease heretofore or 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."

SECTION 22. 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 subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, or acceptable photostatic or certified copy, of the recorded instrument or transfer; and no assignment or transfer of any Royalty Interest subject hereto shall be binding upon the Working Interest Owner responsible therefor until the first day of the calendar month after said Working Interest Owner is furnished with the original, or acceptable photostatic or certified copy, of the recorded instrument or transfer.

SECTION 23. EFFECTIVE DATE AND TERM. This Agreement shall become binding upon each party who executes or ratifies it as of the date of execution or ratification by such party and shall become effective on the first day of the calendar month next following the approval of this Agreement by the AO, the Land Commissioner and the Division.

If this Agreement does not become effective on or before June 1, 1986, it shall ipso facto expire on said date (hereinafter called "expiration date") and thereafter be of no further force or effect, unless prior thereto this Agreement has been executed or ratified by Working Interest Owners owning a combined Participation of at least eighty percent (80%); and at least seventy-five percent (75%) of such Working Interest Owners committed to this Agreement have decided to extend said expiration date for a period not to exceed one (1) year (hereinafter called "extended expiration date"). If said expiration date is so extended and this Agreement does not become effective on or before said extended expiration date, it shall ipso facto expire on said extended expiration date and thereafter be of no further force and effect.

Unit Operator shall file for record within thirty (30) days after the Effective Date of this Agreement, in the office where a counterpart of this Agreement is recorded, a certificate to the effect that this Agreement has become effective according to its terms and stating further the effective date.

The terms of this Agreement shall be for and during the time that Unitized Substances are produced from the unitized land and so long thereafter as drilling, reworking and other operations (including improved recovery operations) are prosecuted thereon without cessation of more than ninety (90) consecutive days unless sooner terminated as herein provided.

This Agreement may be terminated with the approval of the Land Commissioner and the AO by Working Interest Owners owning eighty percent (80%) of the Unit Participation then in effect whenever such Working Interest Owners determine that Unit Operations are no longer profitable, or in the interest of conservation. Upon approval, such termination shall be effective as of the first day of the month after said Working Interest Owners' determination. Notice of any such termination shall be filed by Unit Operator in the office of the County Clerk of Roosevelt County, New Mexico, within thirty (30) days of the effective date of termination.

Upon termination of this Agreement, the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate Tracts just as if this Agreement had never been entered into.

If not otherwise provided by the leases unitized under this Agreement, Royalty Owners hereby grant Working Interest Owners a period of six months after termination of this Agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operations.

SECTION 24. 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 Commissioner 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 Land Commissioner and as to any lands in the State of New Mexico or privately-owned lands subject to this Agreement or to the quantity and rate of production from such lands in the absence of specific written approval thereof by the Division.

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, and thereafter subject to administrative appeal before becoming final.

SECTION 25. NONDISCRIMINATION. Unit Operator in connection with the performance of work under this Agreement relating to leases of the United States, agrees to comply with the clauses set forth in Exhibit "C" attached hereto and made a part hereof.

SECTION 26. APPEARANCES. Unit Operator shall have the right to appear for or on behalf of any interests affected hereby before the Land Commissioner, the Department, and the Division, and to appeal from any order issued under the rules and regulations of the Land Commissioner, the Department or the Division, or to apply for relief from any of said rules and regulations or in any proceedings relative to operations before the Land Commissioner, the Department or the Division or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his or its own expense to be heard in any such proceeding.

SECTION 27. NOTICES. All notices, demands, objections or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if made in writing and personally delivered to the party or parties or sent by postpaid certified or 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 or parties may have furnished in writing to the party sending the notice, demand or statement.

SECTION 28. 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 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; provided, however, each party hereto covenants that it will not resort to any action to partition the unitized land or the Unit Equipment.

SECTION 29. EQUIPMENT AND FACILITIES NOT FIXTURES ATTACHED TO REALTY. Each Working Interest Owner has heretofore placed and used on its Tract or Tracts committed to this Agreement various well and lease equipment and other property, equipment and facilities. It is also recognized that additional equipment and facilities may hereafter be placed and used upon the Unitized Land as now or hereafter constituted. Therefore, for all purposes of this Agreement, any such equipment shall be considered to be personal property and not fixtures attached to realty. Accordingly, said well and lease equipment and personal property is hereby severed from the mineral estates affected by this Agreement, and it is agreed that any such equipment and personal property shall be and remain personal property of the Working Interest Owners for all purposes.

SECTION 30. UNAVOIDABLE DELAY. All obligations under this Agreement requiring the Unit Operator to commence or continue improved recovery operations or to operate on or produce Unitized Substances from any of the lands covered by this Agreement shall be suspended while, but 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 agency, unavoidable accident, 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.

SECTION 31. LOSS OF TITLE. In the event title to any Tract of unitized land shall fail so as to render the Tract inoperable under this Agreement, such Tract shall be automatically regarded as not committed hereto as of the first day of the calendar month in which the failure of title is determined 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 to any Royalty, Working Interest or other interest subject thereto, payment or delivery on account thereof may be withheld without liability or interest until the dispute is finally settled; provided, that as to State or Federal land or leases, no payments of funds due the State of New Mexico or the United States of America shall be withheld, but such funds shall be deposited as directed by the Land Commissioner and/or the AO (as the case may be), 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.

SECTION 32. NONJOINER AND SUBSEQUENT JOINER. Joinder by any Royalty Owner, at any time, must be accompanied by appropriate joinder of the corresponding Working Interest Owner in order for the interest of such Royalty Owner to be regarded as effectively committed. Joinder to this Agreement by a Working Interest Owner, at any time, must be accompanied by appropriate joinder to the Unit Operating Agreement in order for such interest to be regarded as effectively committed to this Agreement.

Any oil or gas interest in the Unitized Formations not committed hereto prior to submission of this Agreement to the Land Commissioner and the AO for final approval may thereafter be committed hereto upon compliance with the applicable provisions of this Section and of Section 14 (Tracts Qualified for Participation) hereof, at any time up to the effective date hereof on the same basis of participation as provided in said Section 14, by the owner or owners thereof subscribing, ratifying, or consenting in writing to this Agreement and, if the interest is a Working Interest, by the owner of such interest subscribing also to the Unit Operating Agreement.

It is understood and agreed, however, that from and after the Effective Date hereof the right of subsequent Joinder as provided in this Section shall be subject to such requirements or approvals and on such basis as may be agreed upon by Working Interest Owners owning not less than sixty-five percent (65%) of the Unit Participation then in effect, and approved by the Land Commissioner and AO. Such subsequent joinder by a proposed Working Interest Owner must be evidenced by his execution or ratification of this Agreement and the Unit Operating Agreement and, where State or Federal land is involved, such Joinder must be approved by the Land Commissioner or AO. Such Joinder by a proposed Royalty Owner must be evidenced by his execution, ratification or consent of this Agreement and must be consented to in writing by the Working Interest Owner responsible for the payment of any benefits that may accrue hereunder in behalf of such proposed Royalty Owner. Except as may be otherwise herein provided, subsequent joinder to this Agreement shall be effective as of the first day of the month following the filing with the Land Commissioner and the AO of duly executed counterparts of any and all documents necessary to establish effective commitment of any Tract or interest to this Agreement, unless objection to such joinder by the Land Commissioner or the AO is duly made sixty (60) days after such filing.

SECTION 33. COUNTERPARTS. This Agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties and 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 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 land within the described Unit Area.

SECTION 34. JOINDER IN DUAL CAPACITY. Execution as herein provided by any party as either a Working Interest Owner or a Royalty Owner shall commit all interests owned or controlled by such party; provided, that if the party is the owner of a Working Interest, he must also execute the Unit Operating Agreement.

SECTION 35. TAXES. Each party hereto shall, for its own account, render and pay its share of any taxes levied against or measured by the amount or value of the Unitized Substances produced from the unitized land; provided, however, that if it is required or if it be determined that the Unit Operator or the several Working Interest Owners must pay or advance said taxes for the account of the parties hereto, it is hereby expressly agreed that the parties so paying or advancing said taxes shall be reimbursed therefor by the parties hereto, including Royalty Owners, who may be responsible for the taxes on their respective allocated share of said Unitized Substances. No taxes shall be charged to the United States or to the State of New Mexico, nor to any lessor who has a contract with a lessee which requires his lessee to pay such taxes.

SECTION 36. NO PARTNERSHIP. The duties, obligations and liabilities of the parties hereto are intended to be several and not joint or collective. This Agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligation as herein provided.

SECTION 37. PRODUCTION AS OF THE EFFECTIVE DATE. Unit Operator shall make a proper and timely gauge of all leases and other tanks within the unitized land in order to ascertain the amount of merchantable oil above the pipeline connection in such tanks as of the effective date hereof. All such oil which has then been produced in accordance with established allowables shall be and remain the property of the Interest Owner entitled thereto, the same as if the unit has not been formed; and the responsible Working Interest Owner shall promptly remove said oil from the unitized land. Any such oil not so removed shall be sold by Unit Operator for the account of such Working Interest Owners, subject to the payment of all Royalty to Royalty Owners under the terms hereof. The oil that is in excess of the prior allowable of the wells from which it was produced shall be regarded as Unitized Substances produced after Effective Date hereof.

If, as of the Effective Date hereof, any Tract is over-produced with respect to the allowable of the wells on that Tract and the amount of over-production has been sold or otherwise disposed of, such over-production shall be regarded as a part of the Unitized Substances produced after the Effective Date hereof and shall be charged to such Tract as having been delivered to the parties entitled to Unitized Substances allocated to such Tract.

SECTION 38. NO SHARING OF MARKET. This Agreement is not intended to provide and shall not be construed to provide, directly or indirectly, for any cooperative refining, joint sale or marketing of Unitized Substances.

EXECUTED this 1st day of November, 1985.

ATTEST:

"UNIT OPERATOR" & "WORKING INTEREST OWNER"
MURPHY OPERATING CORPORATION

Nadine Reed, Secretary

By: _____
A. J. Murphy, Chairman & Chief Executive
Officer

"NON-OPERATORS"

F. W. Baumgartner
9785 Maroon Circle, Suite G-104
Englewood, Colorado 80112

Mr. J. E. Cieszinski
22 Riverside Drive
Roswell, New Mexico 88201

Mr. A. W. Dillard, Jr.
Post Office Box 423
Midland, Texas 79701

James H. Hamersley
Box 282A SHS
Duxbury, Massachusetts 02331

ATTEST:

HANOVER PETROLEUM CORPORATION

, Secretary

By: _____
Ward M. Clark, Vice President
2950 One Allen Center
Houston, Texas 77002

HARVARD & LEMAY EXPLORATION, LTD.

By: _____
Post Office Box 936
Roswell, New Mexico 88202-0936

Tom L. Ingram
Post Office Box 1757
Roswell, New Mexico 88202-1757

KELLY FAMILY TRUST

By: _____
Arthur Kelly
10889 Wilshire Boulevard, Suite 1032
Los Angeles, California 90024

Earl A. Latimer, Jr.
1802 West Fourth Street
Roswell, New Mexico 88201

ATTEST:

KAISER-FRANCIS OIL COMPANY

, Secretary

By: _____
Post Office Box 21468
Tulsa, Oklahoma 74121-1468

ATTEST:

LAYTON ENTERPRISES, INC.

Mary L. Layton, Secretary

Donald R. Layton, President
3103 79th Street
Lubbock, Texas 79423

Jack L. McClellan
Post Office Drawer 730
Roswell, New Mexico 88202-0730

Larry McIntosh
130 Spring Park Drive, Suite 103
Midland, Texas 79705

(final copy 11/15/85)

Willis L. Sanburg
22156 Highway 550
Montrose, Colorado 81401

ATTEST:

, Secretary

Ralph H. Viney
500 North Loraine, Suite 1000
Midland, Texas 79701

ATTEST:

, Secretary

Frank Southworth
5650 S. Syracuse Circle, Suite 217
Englewood, Colorado 80111

TRINITY RESOURCES, INC.

By: _____
, President
2600 Republic Bank Center
700 Louisiana Street
Houston, Texas 77002

John B. Wogan, Jr.
600 South Cherry Street, Suite 800
Denver, Colorado 80222

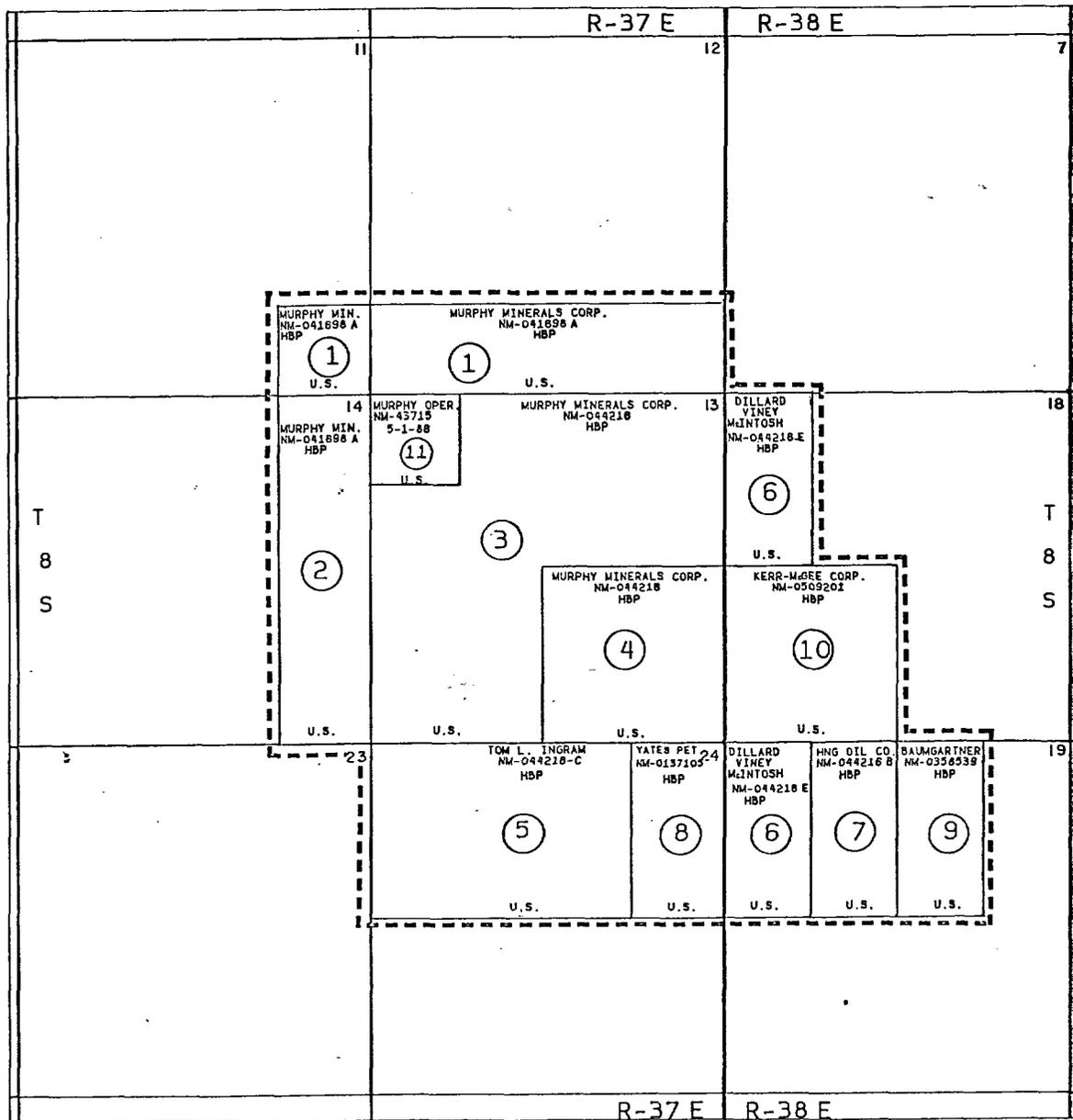
THE WISER OIL COMPANY

By: _____
, President
905 Oil and Gas Building
Wichita Falls, Texas 76307

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF THAT CERTAIN UNIT AGREEMENT, BLUITT SAN ANDRES UNIT, COUNTY OF ROOSEVELT, STATE OF NEW MEXICO, DATED NOVEMBER 1, 1985.

BLUITT SAN ANDRES UNIT ROOSEVELT COUNTY, NEW MEXICO



SCALE: 1"=2000'

- TRACT NUMBER
- UNIT OUTLINE
- FEDERAL LANDS: 1,800.00 ACRES
100% UNIT AREA

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	W. I. Percent Ownership	INITIAL PARTICIPATING UNIT INTEREST	
1.	Kirkpatrick Federal T-8-S, R-37-E Sec. 11: SW/4SE/4 Sec. 12: S/2SW/4, S/2SE/4 200.0 acres	NM-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr.	0.3911700	Hanover Petrol. Corp.	-	13.7500000	0.637890000
					Margaret L. Davey	0.4000000	(25% of 55%)	-	-	
					John W. Gates	1.0000000	Trinity Resources, Inc. (B)	-	-	
					M. R. Kirkpatrick	0.4000000	(58.75% of 55%)	-	32.3125000	1.499041500
					T. A. Kirkpatrick	0.4000000	J. E. Cieszinski	-	-	
					W. H. Kirkpatrick	0.4000000	(100% of 1%)	-	1.0000000	0.046392000
					Mary Ann McCaw	1.0000000	Tom L. Ingram	-	-	
					Eugene E. Nearburg	0.2210000	(100% of 18%)	-	18.0000000	0.000000000
					Annie K. Williams	0.4000000	Earl A. Latimer, Jr.	-	-	
					Vida B. Wentz,	(100% of 1%)	-	1.0000000	0.046392000	
					Trustee of the Peter L. & Vida B. Wentz Revocable Trust B-1-63	(100% of 25%)	The Wiser Oil Co.	-	25.0000000	1.159800000
						(16.25% of 55%)	Murphy Operating Corp. (B)	-	8.9375000	0.414628500
						Initial Participating Interests*		-	0.0000000	0.835056000
			-	100.0000000	4.639200000					
2.	Sears Federal T-8-S, R-37-E Sec. 14: E/2E/2 160.0 acres	NM-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr.	0.3911700	Hanover Petrol. Corp.	-	13.7500000	0.250002500
					Margaret L. Davey	1.0000000	(25% of 55%)	-	-	
					John W. Gates	0.4000000	Trinity Resources, Inc. (B)	-	-	
					M. R. Kirkpatrick	0.4000000	(58.75% of 55%)	-	32.3125000	0.587503875
					T. A. Kirkpatrick	0.4000000	J. E. Cieszinski	-	-	
					W. H. Kirkpatrick	0.4000000	(100% of .5%)	-	1.0000000	0.018182000
					Mary Ann McCaw	1.0000000	Tom L. Ingram	-	-	
					Eugene E. Nearburg	0.2210000	(100% of 18%)	-	18.0000000	0.000000000
					Annie K. Williams	0.4000000	Earl A. Latimer, Jr.	-	-	
					Vida B. Wentz,	(100% of 1%)	-	1.0000000	0.018182000	
					Trustee of the Peter L. & Vida B. Wentz Revocable Trust B-1-63	(100% of 25%)	The Wiser Oil Co.	-	25.0000000	0.454550000
						(16.25% of 55%)	Murphy Operating Corp. (B)	-	8.9375000	0.162501625
						Initial Participating Interests*		-	0.0000000	0.327276000
			-	100.0000000	1.818200000					

*as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Fract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	W. I. Percent Ownership	INITIAL	
									PARTICIPATING PERCENT UNIT INTEREST	PARTICIPATING PERCENT UNIT INTEREST
8.	McCaw Federal T-8-S, R-37-E Sec. 24: E/2NE/4 80.0 acres	NW-0137105 6-1-61	Yates Petroleum Corporation	USA 12.5%	Yates Brothers, a Partnership Yates Petroleum Corp.	5.000 12.500	Hanover Petrol. Corp. *(25% of 68.75%) Trinity Resources, Inc. (A) *(58.75% of 68.75%) Harvard & LeMay Explor. Ltd. 1976A Murphy Operating Corp. (A) *(6.25% of 68.75%) Trinity Resources, Inc. (B) *(10% of 68.75%) Tom L. Ingram (100% of 13.25%) Jack L. McClellan (100% of 18.00%) Initial Participating Interests**	17.1875000 40.3906250 4.2968750 6.8750000 13.2500000 18.0000000 0.0000000	0.879329688 2.066424766 0.000000000 0.351731874 0.677883250 0.000000000 0.000000000	
9.	Baumgartner U.S.A. T-8-S, R-38-E Sec. 19: W/2NE/4 80.0 acres	NW-0358539 3-1-63	F. W. Baumgartner	USA 12.5%	Joanne Baumgartner George B. Judd	3.000 1.000	Kelly Family Trust (20% of 100%) James H. Hamersley (20% of 100%) Frank Southworth (10% of 100%) Willis L. Sanburg (20% of 100%) John B. Wogan, Jr. (10% of 100%) F. W. Baumgartner (20% of 100%) Initial Participating Interests**	20.0000000 20.0000000 10.0000000 20.0000000 10.0000000 20.0000000	0.000000000 0.000000000 0.000000000 0.000000000 0.000000000 0.000000000	

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.
**as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Ownership	Working Interest Owner	W. I. Percent Ownership	INITIAL PARTICIPATING INTEREST	
									Ownership	Percent Interest
10.	Shaw Federal I-8-S, R-38-E Sec. 18: SW/4 160.0 acres	NH-0509201 2-1-64	Kerr-McGee Corporation	USA 12.5%	Kerr-McGee Corp.	9.375	Hanover Petrol. Corp. *(25% of 68.75%) Trinity Resources, Inc. (A) *(58.75% of 68.75%) Harvard & LeMay Explor. Ltd. 1976A *(6.25% of 68.75%) Murphy Operating Corp. (A) *(10% of 68.75%) Trinity Resources, Inc. (B) (100% of 13.25%) Tom L. Ingram (100% of 18.00%) *Jack L. McClellan - Initial Participating Interest**	17.1875000 40.3906250 4.2968750 6.8750000 13.2500000	2.580565625 6.064329219 0.000000000 1.032226250 1.989381500	
11.	Burkhart Federal I-8-S, R-37-E Sec. 13: NW/4NW/4 40.0 acres	NH-43715 5-1-81	Murphy Operating Corporation	USA 12.5%			Murphy Operating Corp. (B) (100%)	100.0000000 100.0000000	0.000000000 0.000000000	
TOTAL FEDERAL ACREAGE				1,800.0 = 100% of Unit						
TOTAL UNIT ACREAGE				1,800.0						100.000000000

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.
**as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUETT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land & No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF INTERESTS UNITIZED BY STATUTE	
									PERCENT UNIT INTEREST	INTEREST
1.	Kirkpatrick Federal T-8-S, R-37-E Sec. 11: SW/4SE/4 Sec. 12: S/2SW/4, S/2SE/4 200.0 acres	NM-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr. Margaret L. Davey John W. Gates M. R. Kirkpatrick T. A. Kirkpatrick W. H. Kirkpatrick Mary Ann McCaw Eugene E. Nearburg Annie K. Williams Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63	0.3911700 0.4000000 1.0000000 0.4000000 0.4000000 0.4000000 1.0000000 0.2210000 0.4000000 0.4000000 0.4000000 0.2550000	Hanover Petrol. Corp. (25% of 55%) Trinity Resources, Inc. (B) Trinity Resources, Inc. (B) J. E. Cieszinski J. E. Cieszinski Tom L. Ingram Earl A. Latimer, Jr. (100% of 1%) The Wiser Oil Co. (100% of 25%) Murphy Operating Corp. (B) (16.25% of 55%) Initial Participating Interests*	13.7500000 32.3125000 1.0000000 18.0000000 1.0000000 25.0000000 8.9375000 0.0000000 100.0000000	0.637890000 1.499041500 0.046392000 0.000000000 0.046392000 1.159800000 0.414628500 0.835056000 4.639200000	
2.	Spears Federal T-8-S, R-37-E Sec. 14: E/2E/2 160.0 acres	NM-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr. Margaret L. Davey John W. Gates M. R. Kirkpatrick T. A. Kirkpatrick W. H. Kirkpatrick Mary Ann McCaw Eugene E. Nearburg Annie K. Williams Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63	0.3911700 0.4000000 1.0000000 0.4000000 0.4000000 0.4000000 1.0000000 0.2210000 0.4000000 0.4000000 0.2550000	Hanover Petrol. Corp. (25% of 55%) Trinity Resources, Inc. (B) Trinity Resources, Inc. (B) J. E. Cieszinski J. E. Cieszinski Tom L. Ingram Earl A. Latimer, Jr. (100% of 1%) The Wiser Oil Co. (100% of 25%) Murphy Operating Corp. (B) (16.25% of 55%) Initial Participating Interests*	13.7500000 32.3125000 1.0000000 18.0000000 1.0000000 25.0000000 8.9375000 0.0000000 100.0000000	0.250002500 0.587505875 0.018182000 0.000000000 0.018182000 0.454550000 0.162501625 0.372760000 1.818200000	

*as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

(Final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Fract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Ownership	Working Interest Owner	W. I. Percent Ownership	INTERESTS UNITIZED	
									BY STATUTE PERCENT INTEREST	AFTER PAYOUT OF PERCENT INTEREST
3.	Baetz Federal T-B-S, R-37-E Sec. 13: NE/4, SW/4, E/2NW/4, SW/4NW/4 440.0 acres	NM-044216 4-1-59	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr. Estate of Bertrand O. Baetz Eugene E. Nearburg Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63 Murphy Minerals Corporation	0.1380600 4.5000000 0.0780000 0.0780000 0.2400000 0.1600000	Hanover Petrol. Corp. (25% of 50%) Trinity Resources, Inc. (B) (58.75% of 50%) Kaiser-Francis Oil Co. (100% of 4%) Earl A. Latimer, Jr. (100% of .1%) Tom L. Ingram The Wiser Oil Co. (100% of 18%) Murphy Operating Corp. (B) (16.25% of 50%) J. E. Cieszinski (100% of 1%) Layton Enterprises, Inc. (100% of 1%) Initial Participating Interests*	12.5000000 29.3750000 4.0000000 1.0000000 18.0000000 25.0000000 8.1250000 1.0000000 1.0000000	4.479487500 10.526795625 0.000000000 0.358359000 0.000000000 8.958975000 2.911666875 0.358359000 0.358359000	
									0.0000000	7.883898000
									100.0000000	35.835900000

*as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	M. I. Percent Ownership	AFTER PAYOUT OF INTERESTS UNITIZED BY STATUTE	
									PERCENT UNIT	INTEREST
8.	McCaw Federal T-8-S, R-37-E Sec. 24: E/2NE/4 80.0 acres	NM-0137105 6-1-61	Yates Petroleum USA Corporation	12.5%	Yates Brothers, a Partnership Yates Petroleum Corp.	5,000 12,500	Hanover Petrol. Corp. *(25% of 68.75%) Trinity Resources, Inc. (A) *(58.75% of 68.75%) Trinity Resources, Inc. (B) (100% of 13.25%) Harvard & LeMay Explor. Ltd. 1976A *(6.25% of 68.75%) Murphy Operating Corp. (A) *(10% of 68.75%) Tom L. Ingram (100% of 18.00%) *Jack L. McCellan Initial Participating Interests**	17.1875000 40.3906250 13.2500000	0.879329688 2.066424766 0.677883250	
9.	Baumgartner U.S.A. T-8-S, R-38-E Sec. 19: W/2NE/4 80.0 acres	NM-0358539 3-1-63	F. W. Baumgartner	USA 12.5%	Joanne Baumgartner George B. Judd	3,000 1,000	Kelly Family Trust (20% of 100%) James H. Hamersley (20% of 100%) Frank Southworth (10% of 100%) Willis L. Sauburg (20% of 100%) John B. Wogan, Jr. (10% of 100%) F. W. Baumgartner (20% of 100%)	20.0000000 20.0000000 10.0000000 20.0000000 10.0000000	0.507660000 0.507660000 0.253830000 0.507660000 0.253830000	
									100.0000000	1.140730422
									100.0000000	5.116100000

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.
**as defined more specifically by Exhibit "B" to that certain Unit Operating Agreement dated November 1, 1985.

EXHIBIT "B" TO UNIT AGREEMENT
BLUETT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

AFTER PAYOUT OF
INTERESTS UNITIZED

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	W. I.		AFTER PAYOUT OF INTERESTS UNITIZED		
								Ownership	Percent	BY STATUTE PERCENT UNIT	INTEREST	
10.	Shaw Federal T-8-S, R-38-E Sec. 18; SW/4 160.0 acres	NM-0509201 2-1-64	Kerr-McGee Corporation	USA 12.5%	Kerr-McGee Corp.	9.375	Hanover Petrol. Corp. *(25% of 68.75%) Trinity Resources, Inc. (A) *(58.75% of 68.75%) Trinity Resources, Inc. (B) (100% of 13.25%) Harvard & LeMay Explor. Ltd. 1976A *(6.25% of 68.75%) Murphy Operating Corp. (A) *(10% of 68.75%) Tom L. Ingram (100% of 18.00%) *Jack L. McClellan - Initial Participating Interests**	17.1875000 40.3906250 13.2500000 4.2968750 6.8750000 18.0000000 0.0000000 0.0000000	2.580565625 6.064329219 1.989381500 0.000000000 1.032226250 0.000000000 0.000000000 3.347697406	100.0000000 100.0000000 100.0000000 100.0000000 100.0000000 100.0000000 100.0000000 100.0000000	0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 0.00000000 15.014200000	
11.	Bunkhart Federal T-8-S, R-37-E Sec. 13; NW/4NW/4 40.0 acres	NM-43715 5-1-81	Murphy Operating Corporation	USA 12.5%			Murphy Operating (B) Corp. (100%)	100.0000000 100.0000000	0.00000000 0.00000000	0.00000000 0.00000000	100.00000000 100.00000000	
TOTAL FEDERAL ACREAGE								1,800.0			1,800.0	
TOTAL UNIT ACREAGE								1,800.0			1,800.0	

TOTAL FEDERAL ACREAGE 1,800.0 = 100% of Unit
TOTAL UNIT ACREAGE 1,800.0

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.
**as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Leases of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	M. I. Percent Ownership	AFTER PAYOUT OF FARMOUT INTERESTS	
									PERCENT UNIT	INTEREST
1.	Kirkpatrick Federal 1-8-S, R-37-E Sec. 11: SW/4SE/4, Sec. 12: S/2SW/4, S/2SE/4 200.0 acres	NH-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr.	0.3911700	J. E. Cieszinski	1.0555072	0.048967088	
					Margaret L. Davey	0.4000000	Hanover Petrol. Corp.	15.4188368	0.715310677	
					John W. Gates	1.0000000	Tom L. Ingram	9.0000000	0.417528000	
					M. R. Kirkpatrick	0.4000000	Earl A. Latimer, Jr.	1.0555072	0.048967089	
					T. A. Kirkpatrick	0.4000000	Layton Enterprises, Inc.	0.0470322	0.002181920	
					W. H. Kirkpatrick	0.4000000	Larry McIntosh	0.2765605	0.012830193	
					Mary Ann McCaw	1.0000000	Murphy Operating Corp. (A)	0.3857614	0.017896245	
					Eugene E. Nearburg	0.2210000	Murphy Operating Corp. (B)	9.3953816	0.435870543	
					Annie K. Williams	0.4000000	Trinity Resources, Inc. (A)	3.9217665	0.181938591	
					Vida B. Wentz,		Trinity Resources, Inc. (B)	33.0559675	1.533532443	
					Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63		The Wisner Oil Co.	26.3876791	1.224172211	
								100.0000000	4.639200000	
					2.	Spears Federal 1-8-S, R-37-E Sec. 14: E/2E/2 160.0 acres	NH-041698A 6-1-58	Murphy Minerals Corporation	USA 12.5%	Ben A. Copas, Jr.
Margaret L. Davey	0.4000000	Hanover Petrol. Corp.	15.4188368	0.280345291						
John W. Gates	1.0000000	Tom L. Ingram	9.0000000	0.163638000						
M. R. Kirkpatrick	0.4000000	Earl A. Latimer, Jr.	1.0555072	0.019191231						
T. A. Kirkpatrick	0.4000000	Layton Enterprises, Inc.	0.0470322	0.000855141						
W. H. Kirkpatrick	0.4000000	Larry McIntosh	0.2765605	0.005028422						
Mary Ann McCaw	1.0000000	Murphy Operating Corp. (A)	0.3857614	0.007013915						
Eugene E. Nearburg	0.2210000	Murphy Operating Corp. (B)	9.3953816	0.170826828						
Annie K. Williams	0.4000000	Trinity Resources, Inc. (A)	3.9217665	0.071305558						
Vida B. Wentz,		Trinity Resources, Inc. (B)	33.0559675	0.601023601						
Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63		The Wisner Oil Co.	26.3876791	0.479780782						
			100.0000000	1.818200000						

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUETT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessees of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Ownership	Working Interest Owner	M. I. Percent Ownership	AFTER PAYOUT OF FARMOUT INTERESTS	
									Percent Interest	FARMOUT PERCENT UNIT INTEREST
3.	Baetz Federal T-8-S, R-37-E Sec. 13; NE/4, SW/4, E/2NW/4, SW/4NW/4 440.0 acres	NM-044216 4-1-59	Murphy Minerals USA Corporation	12.5%	Ben A. Copas, Jr. Estate of Bertrand O. Baetz Eugene E. Nearburg Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63 Murphy Minerals Corporation	0.1380600 4.5000000 0.0780000 0.2400000 0.1600000	J. E. Cieaszinski Hanover Petrol. Corp. Tom L. Ingram Kaiser-Francis Oil Co. Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) The Wiser Oil Co.	1.0678421 14.5396894 9.0000000 2.0000000 1.0678421 1.0574839 0.3380184 0.4714862 8.6846330 4.7932701 30.2836825 26.6960523 100.0000000	0.382670824 5.210428561 3.225231000 0.716718000 0.382670824 0.378958861 0.121131920 0.168961323 3.112216416 1.717711496 10.852430173 9.566770692 35.835900000	

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Ownership	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF FARMOUT INTERESTS	
									PERCENT UNIT	INTEREST
5.	Ingram Federal "E" T-8-S, R-37-E Sec. 24: W/2NE/4; NW/4 240.0 acres	NM-044216-C 4-1-59	Tom L. Ingram	USA 12.5%	Estate of Bertrand O. Baetz	5.000	Tom L. Ingram (100%)	100.0000000 100.0000000	6.093500000 6.093500000	
6.	Roden Bluit T-8-S, R-38-E Sec. 18: W/2NW/4 Sec. 19: W/2NW/4 160.0 acres	NM-044216-E 4-1-59	A. W. Dillard, Jr. Ralph H. Viney Larry H. McIntosh	USA 12.5%	Estate of Bertrand O. Baetz Peggy E. Baetz	2.500 2.500	J. E. Cieszinski A. W. Dillard, Jr. Hanover Petrol. Corp. Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) Ralph H. Viney The Wiser Oil Co.	0.1027911 33.3333333 3.0904385 0.1027911 0.0870968 33.8434823 0.7143730 0.8479289 7.2625304 1.3767917 16.6666667 2.5697762 100.0000000	0.006498142 2.107233333 0.195368252 0.006498142 0.005505996 2.139609855 0.045160520 0.053603519 0.459115393 0.087036640 1.053616666 0.162453542 6.321700000	
7.	Roden Federal T-8-S, R-38-E Sec. 19: E/2NW/4 80.0 acres	NM-044216-B 4-1-59	HNG Oil Company	USA 12.5%	Estate of Bertrand O. Baetz HNG Oil Company	5.000 7.500	J. E. Cieszinski Hanover Petrol. Corp.* Harvard & LeMay Explor. Ltd. 1976A* Tom L. Ingram Earl A. Latimer, Jr. Layton Enterprises, Inc. Jack L. McEllen* Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc. (A)* Trinity Resources, Inc. (B) The Wiser Oil Co.	0.0687576 19.2547136 2.1484375 9.0000000 0.0687576 0.0582596 0.0000000 0.3425797 7.3528486 0.5671848 45.2485771 14.1709445 1.7189394 100.0000000	0.003088040 0.864767699 0.096490625 0.404208000 0.003088040 0.002616554 0.000000000 0.015385939 0.330231136 0.025473409 2.032204093 0.636445461 0.077201004 4.491200000	

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.
**as defined more specifically by Exhibit "D" to that certain Unit Operating Agreement dated November 1, 1985.

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owned - ship	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF FARMOUT INTERESTS	
									FARMOUT PERCENT UNIT	INTEREST
10.	Shaw Federal T-8-S, R-38-E Sec. 18: SW/4 160.0 acres	NM-0509201 2-1-64	Kerr-McGee Corporation	USA 12.5%	Kerr-McGee Corp.	9.375	J. E. Cieszinski - Hanover Petrol. Corp.* Harvard & Lemay Explor. Ltd. 1976A* Tom L. Ingram Earl A. Latimer, Jr. - Layton Enterprises, Inc. Jack L. McCallan* - Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc. (A)* Trinity Resources, Inc. (B) The Wisner Oil Co.	0.0687576 19.2547137	0.010323400 2.890941220	
								2.1484377 9.0000000 0.0687576 0.0582596 0.0000000 0.3425797 7.3528486 0.5671848 45.2485768 14.1709445 1.7189394 100.0000000	0.322570730 1.351278000 0.010323400 0.008747209 0.000000000 0.051435599 1.103971393 0.085158279 6.793711815 2.127653958 0.258084997 15.014200000	
11.	Burkhart Federal T-8-S, R-37-E Sec. 17: NW/4NW/4 40.0 acres	NM-43715 5-1-81	Murphy Operating Corporation	USA 12.5%			Murphy Operating Corp. (B)	100.0000000 100.0000000	0.000000000 0.000000000	

100.000000000

TOTAL FEDERAL ACREAGE 1,800.0 = 100% of Unit
TOTAL UNIT ACREAGE 1,800.0

*Retained interest before payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.

EXHIBIT "B" TO UNIT AGREEMENT
 BLUETT SAN ANDRES UNIT
 ROOSEVELT COUNTY, NEW MEXICO

(Final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner - ship	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF	
									MECLELLAN INTEREST PERCENT UNIT	INTEREST
1.	Kirkpatrick Federal T-8-S, R-37-E Sec. 11: SW/4SE/4 Sec. 12: S/2SW/4, S/2SE/4 200.0 acres	NM-041698A 6-1-58	Murphy Minerals USA Corporation	12.5%	Ben A. Copas, Jr. Margaret L. Davey John W. Gates M. R. Kirkpatrick I. A. Kirkpatrick W. H. Kirkpatrick Mary Ann McCaw Eugene E. Nearburg Annie K. Williams Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust B-1-63	0.3911700 0.4000000 1.0000000 0.4000000 0.4000000 0.4000000 1.0000000 0.2210000 0.4000000	J. E. Cieszinski Hanover Petrol. Corp. Tom L. Ingram Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) The Wisser Oil Co.	1.0555072 15.4188368 9.0000000 1.0555072 0.0470322 0.2765605 0.3857614 9.3953816 3.9217665 33.0559675 26.3876791 100.0000000	0.048967088 0.715310677 0.417528000 0.048967089 0.002181920 0.012830193 0.017896245 0.435870543 0.181938591 1.533532443 1.224177211 4.639200000	
2.	Spears Federal T-8-S, R-37-E Sec. 14: E/2E/2 160.0 acres	NM-041698A 6-1-58	Murphy Minerals USA Corporation	12.5%	Ben A. Copas, Jr. Margaret L. Davey John W. Gates M. R. Kirkpatrick I. A. Kirkpatrick W. H. Kirkpatrick Mary Ann McCaw Eugene E. Nearburg Annie K. Williams Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust B-1-63	0.3911700 0.4000000 1.0000000 0.4000000 0.4000000 0.4000000 1.0000000 0.2210000 0.4000000	J. E. Cieszinski Hanover Petrol. Corp. Tom L. Ingram Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) The Wisser Oil Co.	1.0555072 15.4188368 9.0000000 1.0555072 0.0470323 0.2765604 9.3953815 3.9217665 33.0559675 26.3876791 100.0000000	0.019191231 0.280345291 0.163638000 0.019191231 0.000855141 0.005028422 0.170826828 0.007013915 0.071305558 0.601023601 0.479780782 1.818200000	

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Ownership	Working Interest Owner	W. I.		AFTER PAYOUT OF MCLELLAN INTEREST	
								Ownership	Interest	Percent	PERCENT UNIT INTEREST
3.	Baetz Federal T-8-5, R-37-E Sec. 13: NE/4, SW/4, E/2NW/4, SW/4NW/4 440.0 acres	NM-044216 4-1-59	Murphy Minerals USA Corporation	12.5%	Ben A. Copas, Jr. Estate of Bertrand O. Baetz Eugene E. Nearburg Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63 Murphy Minerals Corporation	0.1380600 4.5000000 0.0780000 0.2400000 0.1600000	J. E. Cieaszynski Hanover Petrol. Corp. Tom L. Ingram Kaiser-Francis Oil Co. Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) The Wiser Oil Co.	- - - - - - - - - - - - - -	1.0678421 14.5396894 9.0000000 2.0000000 1.0678421 1.0574839 0.3380184 0.4714862 8.6846330 4.7932701 30.2836825 26.6960523 100.0000000	0.382670824 5.210428561 3.225231000 0.716718000 0.382670824 0.378958861 0.121131920 0.168961323 3.112216416 1.717711496 10.852430173 9.566770602 35.835900000	

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EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship Interest	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF MCCLELLAN INTEREST	
									Percent Ownership	PERCENT UNIT INTEREST
4.	Bluitt Federal I-8-S, R-37-E Sec. 13; SE/4 160.0 acres	NM-044216 4-1-59	Murphy Minerals USA Corporation	12.5%	Estate of Bertrand O. Baetz George W. Benz Board of Regents University of NM New Mexico Military Institute Conquistador Council, Boy Scouts of America Trust Fund Oscar A. Bourg, Jr. Bourg Management Trust Ben A. Copas, Jr. Charles W. Farnham, Jr. Robert B. Farnham Walter B. Farnham University of Chicago Tom L. Ingram Earl A. Latimer, Jr. Mary F. Love The Wiser Oil Co. Eugene E. Nearburg Vida B. Wentz, Trustee of the Peter L. & Vida B. Wentz Revocable Trust 8-1-63 Robert A. Woods Murphy Minerals Corp	J. E. Cieszinski Hanover Petrol. Corp.* Harvard & LeMay Explor. Ltd, 1976A* Tom L. Ingram Earl A. Latimer, Jr. Layton Enterprises, Inc.- Jack L. McClellan* Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc.(A)* Trinity Resources, Inc.(B) The Wiser Oil Co. 100.000000	0.0687576 18.4734636 1.9531250 9.0000000 0.0687576 0.012466917 0.010563451 0.566615625 0.3425797 7.0403486 0.5671848 43.4126396 14.1709445 0.311672927 18.131700000	0.012466917 3.349553007 0.354134765 1.631853000 0.012466917 0.010563451 0.566615625 0.062115520 1.276534885 0.102840268 7.871449567 2.569433151 0.311672927 18.131700000		

*Retained interest after payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.

EXHIBIT "B" TO UNIT AGREEMENT
 BLUITT SAN ANDRES UNIT
 ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owner-ship	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF MCCELLELLAN INTEREST	
									PERCENT UNIT	INTEREST
5.	Ingram Federal "E" T-8-S, R-37-E Sec. 24: W/2NE/4; NW/4 240.0 acres	NM-044216-C 4-1-59	Tom L. Ingram	USA 12.5%	Estate of Bertrand O. Baetz	5.000	Tom L. Ingram (100%)	100.0000000 100.0000000	6.093500000 6.093500000	
6.	Roden Bluit T-8-S, R-38-E Sec. 18: W/2NW/4 Sec. 19: W/2NW/4 160.0 acres	NM-044216-E 4-1-59	A. W. Dillard, Jr. Ralph H. Viney Larry H. McIntosh	USA 12.5%	Estate of Bertrand O. Baetz Peggy E. Baetz	2.500 2.500	J. E. Cieszinski A. W. Dillard, Jr. Hanover Petrol. Corp. Earl A. Latimer, Jr. Layton Enterprises, Inc. Larry McIntosh Murphy Operating Corp. (A) Murphy Operating Corp. (B) Trinity Resources, Inc. (A) Trinity Resources, Inc. (B) Ralph H. Viney The Wiser Oil Co.	0.1027911 33.3333333 3.0904385 0.1027911 0.005505996 33.8454823 0.7143730 0.8479289 7.2625304 1.3767917 16.6666667 2.5697762 100.0000000	0.006498142 2.107233333 0.195368252 0.006498142 0.005505996 2.139609855 0.045160520 0.053603519 0.459115393 0.087036640 1.053616666 0.162453542 6.321700000	
7.	Roden Federal T-8-S, R-38-E Sec. 19: E/2NW/4 80.0 acres	NM-044216-B 4-1-59	HNG Oil Company	USA 12.5%	Estate of Bertrand O. Baetz HNG Oil Company	5.000 7.500	J. E. Cieszinski Hanover Petrol. Corp.* Harvard & LeMay Explor. Ltd. 1976A* Tom L. Ingram Earl A. Latimer, Jr. Layton Enterprises, Inc. Jack L. McClellan* Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc. (A)* Trinity Resources, Inc. (B) The Wiser Oil Co.	0.0687576 18.4734636 1.9531250 9.0000000 0.0687576 0.0582596 3.1250000 0.3425797 7.0403486 0.5671848 43.4126396 14.1709445 1.7189394 100.0000000	0.003088040 0.829680199 0.087718750 0.404208000 0.003088040 0.002616554 0.140350000 0.015385939 0.316196136 0.025473409 1.949748468 0.636443461 0.077201004 4.491200000	

*Retained interest after payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.

(final copy 11/15/85)

EXHIBIT "B" TO UNIT AGREEMENT
BLUIT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty & Percent.	Ownership	Working Interest	Owner	W. I. Percent Ownership	AFTER PAYOUT OF McCLELLAN INTEREST	
										Percent	INTEREST
8.	McCaw Federal T-8-S, R-37-E Sec. 24: E/2NE/4 80.0 acres	NH-0137105 6-1-61	Yates Petroleum Corporation	USA 12.5%	Yates Brothers, a Partnership Yates Petroleum Corp.	5,000 12,500	J. E. Cieszinski Hanover Petrol. Corp.* Harvard & LeMay Explor. Ltd. 1976A* Tom L. Ingram Earl A. Latimer, Jr. Leyton Enterprises, Inc. Jack L. McClellan* Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc. (A)* Trinity Resources, Inc. (B) The Wiser Oil Co.	0.0687576 18.4734636 1.9531250 9.0000000 0.0687576 0.0582596 3.1250000 0.3425797 7.0403486 0.5671848 43.4126396 14.1709445 1.7189394 100.0000000	0.003517706 0.945120873 0.099923828 0.460449000 0.003517706 0.002980618 0.159878125 0.017526719 0.360191273 0.029017749 2.221034055 0.724999691 0.087942657 5.116100000		
9.	Baumgartner U.S.A. T-8-S, R-38-E Sec. 19: W/2NE/4 80.0 acres	NH-0358539 3-1-63	F. W. Baumgartner	USA 12.5%	Joanne Baumgartner George B. Judd	3,000 1,000	Kelly Family Trust (20% of 100%) James H. Hamersley (20% of 100%) Frank Southworth (10% of 100%) Willis L. Sanburg (20% of 100%) John B. Wogan, Jr. (10% of 100%) F. W. Baumgartner (20% of 100%)	20.0000000 20.0000000 10.0000000 20.0000000 10.0000000 20.0000000 1.000000000 1.000000000	0.507660000 0.507660000 0.253830000 0.507660000 0.253830000 0.507660000 0.507660000 2.538300000		

*Retained interest after payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.

EXHIBIT "B" TO UNIT AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

(final copy 11/15/85)

Tract No.	Lease Name, Description of Land and No. Acres	Serial No. & Lease Date	Lessee of Record	Basic Roy. & Percent.	Overriding Royalty Owner	Percent Owned-ship	Working Interest Owner	W. I. Percent Ownership	AFTER PAYOUT OF MCCLELLAN INTEREST	
									PERCENT UNIT INTEREST	INTEREST
10.	Shaw Federal T-8-S, R-38-E Sec. 18: SW/4 160.0 acres	NM-0509201 2-1-64	Kerr-McGee Corporation	USA 12.5%	Kerr-McGee Corp.	9.375	J. E. Cieszinski - Hanover Petrol. Corp.* Harvard & LeMay Explor. Ltd, 1976A* Tom L. Ingram Earl A. Latimer, Jr.- Layton Enterprises, Inc. Jack L. McClellan* Larry McIntosh Murphy Operating Corp. (A)* Murphy Operating Corp. (B) Trinity Resources, Inc. (A)* Trinity Resources, Inc. (B) The Wiser Oil Co.	0.0687576 18.4734636 1.9531250 9.0000000 0.0687576 0.0582596 3.1250000 0.3425797 7.0403486 0.5671848 43.4126396 14.1709445 1.7189394 100.0000000	0.010323400 2.773642782 0.293246121 1.351278000 0.010323400 0.008747209 0.469193750 0.051435599 1.057052018 0.085158279 6.518060487 2.127653958 0.258084997 15.014200000	
11.	Burkhart Federal T-8-S, R-37-E Sec. 13: NW/4NW/4 40.0 acres	NM-43715 5-1-81	Murphy Operating Corporation	USA 12.5%			Murphy Operating Corp. (B)	100.0000000 100.0000000	0.000000000 0.000000000	

100.000000000

TOTAL FEDERAL ACREAGE 1,800.0 = 100% of Unit
TOTAL UNIT ACREAGE 1,800.0

*Retained interest after payout in accordance with terms of recorded conveyance and assignment dated 10-17-75.

EXHIBIT "C"

Attached to and made part of that certain Unit Operating Agreement, Bluit San Andres Unit, County of Roosevelt, State of New Mexico, dated November 1, 1985.

EQUAL EMPLOYMENT OPPORTUNITY PROVISION

During the performance of this contract, the Operator (meaning and referring separately to each party hereto) agrees as follows:

- (1) The Operator will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Operator will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action 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 Operator agrees to post in conspicuous places, available to employees and applicants for employment notices to be provided setting forth the provisions of this non-discrimination clause.
- (2) The Operator will, in all solicitations or advertisements for employees placed by or on behalf of the Operator, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- (3) The Operator will send to each labor union or representative of workers with which Operator has a collective bargaining agreement or other contract or understanding, a notice to be provided, advising the said labor union or workers' representatives of the Operator's commitments under Section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (4) The Operator will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) The Operator will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to Operator's books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Operator's non-compliance with the non-discrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated or suspended in whole or in part and the Operator may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) The Operator will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Operator will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions including sanctions for non-compliance. Provided, however, that in the event the Operator becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Operator may request the United States to enter into such litigation to protect the interests of the United States.

Operator acknowledges that Operator may be required to file Standard Form 100 (EEO-1) promulgated jointly by the Office of Federal Contract Compliance, the Equal Employment Opportunity Commission and Plans for Progress with the appropriate agency within 30 days of the date of contract award if such report has not been filed for the current year and otherwise comply with or file such other compliance reports as may be required under Executive Order 11246, as amended and Rules and Regulations adopted thereunder.

Operator further acknowledges that Operator may be required to develop a written affirmative action compliance program as required by the Rules and Regulations approved by the Secretary of Labor under authority of Executive Order 11246 and supply each other party hereto with a copy of such program if so requested.

CERTIFICATION OF NONSEGREGATED FACILITIES

By entering into this contract, the Operator certifies that Operator does not and will not maintain or provide for Operator's employees any segregated facilities at any of Operator's establishments, and that Operator does not and will not permit Operator's employees to perform their services at any location, under Operator's control, where segregated facilities are maintained. The Operator agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means, but is not limited to, any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. Operator further agrees that (except where Operator has obtained identical certifications from proposed contractors and subcontractors for specific time periods) Operator will obtain identical certifications from proposed contractors and subcontractors prior to the award of contracts or subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that Operator will retain such certifications in Operator's files and that Operator will forward the following notice to such proposed contractors and subcontractors (except where the proposed contractors or subcontractors have submitted identical certifications for specific time periods): "Notice to prospective contractors and subcontractors of requirement for certifications of nonsegregated facilities. Certificate of Nonsegregated Facilities must be submitted prior to the award of a contract or subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each contract and subcontract or for all contracts and subcontracts during a period (i.e., quarterly, semiannually, or annually).

EXHIBIT "D"

UNIT OPERATING AGREEMENT
BLUITT SAN ANDRES UNIT
COUNTY OF ROOSEVELT
STATE OF NEW MEXICO

UNIT OPERATING AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

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UNIT OPERATING AGREEMENT
BLUITT SAN ANDRES UNIT
ROOSEVELT COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the 1st day of November, 1985, by and between the parties who have signed the original of this instrument, a counterpart thereof, or other instrument agreeing to become a party hereto.

WITNESSETH

WHEREAS, the parties hereto as Working Interest Owners have executed, as of the date hereof, an Agreement entitled "Unit Agreement, Bluit San Andres Unit, Roosevelt County, New Mexico," herein referred to as "Unit Agreement," which, among other things, provides for a separate agreement to be entered into by Working Interest Owners to provide for Unit Operations as therein defined.

NOW, THEREFORE, in consideration of the mutual agreements herein set forth, it is agreed as follows:

ARTICLE 1
CONFIRMATION OF UNIT AGREEMENT

1.1 Confirmation of Unit Agreement. The Unit Agreement is hereby confirmed and by reference made a part of this Agreement. The definitions in the Unit Agreement are adopted for all purposes of this Agreement. If there is any conflict between the Unit Agreement and this Agreement, the Unit Agreement shall govern.

ARTICLE 2
EXHIBITS

2.1 Exhibits. The following exhibits are incorporated herein by reference:

2.1.1 Exhibits A, B and C of the Unit Agreement.

2.1.2 Exhibit D, attached hereto, is a schedule showing the Unit Participation of each Working Interest Owner. Exhibit D, or a revision thereof, shall not be conclusive as to the information therein, except it may be used as showing the Unit Participations of Working Interest Owners for purposes of this Agreement until shown to be in error or revised as herein authorized.

2.1.3 Exhibit E, attached hereto, is the Accounting Procedure applicable to Unit Operations. If there is any conflict between this Agreement and Exhibit E, this Agreement shall govern.

2.1.4 Exhibit F, attached hereto, contains insurance provisions applicable to Unit Operations.

2.2 Revision of Exhibits. Whenever Exhibit A or B are revised, Exhibit D shall be revised accordingly and be effective as of the same date. Unit Operator shall also revise Exhibit D from time to time as required to conform to changes in ownership of which Unit Operator has been notified as provided in the Unit Agreement.

2.3 Reference to Exhibits. When reference is made herein to an exhibit, it is to the exhibit as originally attached or, if revised, to the last revision.

ARTICLE 3
SUPERVISION OF OPERATIONS BY WORKING INTEREST OWNERS

3.1 Overall Supervision. Working Interest Owners shall exercise overall supervision and control of all matters pertaining to Unit Operations pursuant to this Agreement and the Unit Agreement. In the exercise of such authority, each Working Interest Owner shall act solely in its own behalf in the capacity of an individual owner and not on behalf of the owners as an entirety.

3.2 Specific Authorities and Duties. The matters with respect to which Working Interest Owners shall decide and take action shall include, but not be limited to the following:

3.2.1 Method of Operation. The method of operation, including the type or types of pressure maintenance, secondary recovery, or other recovery program to be employed.

3.2.2 Drilling of Wells. The drilling of any well whether for production of Unitized Substances, for use as an injection well, or for other purposes.

3.2.3 Well Recompletion and Change of Status. The recompletion, abandonment, or permanent change of status of any well, or the use of any well for injection or other purposes.

3.2.4 Expenditures. The making of any single expenditure in excess of Fifteen Thousand Dollars (\$15,000.00); however, approval by Working Interest Owners of the drilling, reworking, deepening or plugging back of any well shall include approval of all necessary expenditures required therefor, and for completing, testing, and equipping the well, including necessary flow lines, separators, and lease tankage.

3.2.5 Disposition of Unit Equipment. The selling or otherwise disposing of any major item of surplus Unit Equipment, if the current price of new equipment similar thereto is Five Thousand Dollars (\$5,000.00) or more.

3.2.6 Appearance Before a Court or Regulatory Agency. The designating of a representative to appear before any court or regulatory agency in matters pertaining to Unit Operations; however, such designation shall not prevent any Working Interest Owner from appearing in person or from designating another representative on its own behalf.

3.2.7 Audits. The auditing of the accounts of Unit Operator pertaining to Unit Operations hereunder; however, the audits shall:

- (a) not be conducted more than once each year except upon the resignation or removal of the Unit Operator, and
- (b) be made upon the approval of the owner or owners of a majority of Working Interest other than that of Unit Operator, at the expense of all Working Interest Owners other than Unit Operator, or
- (c) be made at the expense of those Working Interest Owners requesting such audit, if owners of less than a majority of Working Interest, other than that of Unit Operator, request such an audit, and
- (d) be made upon not less than thirty (30) days written notice to Unit Operator.

3.2.8 Inventories. The taking of periodic inventories under the terms of Exhibit E.

3.2.9 Technical Services. The authorizing of charges to the Joint Account for services by consultants of Unit Operator's technical personnel not covered by the overhead charges provided by Exhibit E.

3.2.10 Assignments to Committees. The appointment of committees to study any problems in connection with Unit Operations.

3.2.11 The removal of Unit Operator and the selection of successor.

3.2.12 The enlargement of the Unit Area.

3.2.13 The adjustment and readjustment of investments.

3.2.14 The termination of the Unit Agreement.

3.2.15 Border Line Agreements.

ARTICLE 4 MANNER OF EXERCISING SUPERVISION

4.1 Designation of Representatives. Each Working Interest Owner shall inform Unit Operator in writing of the names and addresses of the representative and alternate who are authorized to represent and bind such Working Interest Owner with respect to Unit Operations. The representative or alternate may be changed from time to time by written notice to Unit Operator.

4.2 Meetings. All meetings of Working Interest Owners shall be called by Unit Operator upon its own motion or at the request of two (2) or more Working Interest Owners having a total Unit Participation then in effect of not less than ten percent (10%). No meeting shall be called on less than fourteen (14) days advance written notice, with agenda for the meeting attached. Working Interest Owners who attend the meeting may amend items included in the agenda and may act upon an amended item or other items presented at the meeting. The representative of Unit Operator shall be chairman of each meeting.

4.3 Voting Procedure. Working Interest Owners shall decide all matters coming before them as follows:

4.3.1 Voting Interest. Each Working Interest Owner shall have a voting interest equal to its Unit Participation in effect at the time of the vote.

4.3.2 Vote Required. Unless otherwise provided herein or in the Unit Agreement, Working Interest Owners shall determine all matters by the affirmative vote of four or more Working Interest Owners having a combined voting interest of at least sixty-five percent (65%); however, should any one Working Interest Owner have more than thirty percent (30%) voting interest, its negative vote or failure to vote shall not defeat a motion and such motion shall pass if approved by Working Interest Owners having a majority voting interest, unless three or more Working Interest Owners have a combined voting interest of at least ten percent (10%) likewise vote against the motion or fail to vote.

4.3.3 Vote at Meeting by Nonattending Working Interest Owner. Any Working Interest Owner who is not represented at a meeting may vote on any agenda item by letter or telegram addressed to the representative of Unit Operator if its vote is received prior to the vote at the meeting, provided the agenda items are not amended.

4.3.4 Poll Votes. Working Interest Owners may vote on and decide, by letter or telegram, any matter submitted in writing to Working Interest Owners. If a meeting is not requested, as provided in Section 4.2, within seven (7) days after a written proposal is sent to Working Interest Owners, the vote taken by letter or telegram shall become final. Unit Operator will give prompt notice of the results of such voting to all Working Interest Owners.

ARTICLE 5
INDIVIDUAL RIGHTS OF WORKING INTEREST OWNERS

5.1 Reservation of Rights. Working Interest Owners severally reserve to themselves all their rights, except as otherwise provided in this Agreement and the Unit Agreement.

5.2 Specific Rights. Each Working Interest Owner shall have, among others, the following specific rights:

5.2.1 Access to Unit Area. Access to the Unit Area at all reasonable times to inspect Unit Operations, all wells, and the records and data pertaining thereto.

5.2.2 Reports. The right to receive from Unit Operator, upon written request, copies of all reports to any governmental agency, reports of crude oil runs and stocks, inventory reports, and all other information pertaining to Unit Operations. The cost of gathering and furnishing information not ordinarily furnished by Unit Operator to all Working Interest Owners shall be charged to the Working Interest Owner that requests the information.

ARTICLE 6
UNIT OPERATOR

6.1 Unit Operator. MURPHY OPERATING CORPORATION is hereby designated as the initial Unit Operator.

6.2 Resignation or Removal and Selection of Successor. The resignation or removal of Unit Operator and the selection of a successor shall be governed by the provisions of the Unit Agreement.

ARTICLE 7
AUTHORITIES AND DUTIES OF UNIT OPERATOR

7.1 Exclusive Right to Operate Unit. Subject to the provisions of this Agreement and to instructions from Working Interest Owners, Unit Operator shall have the exclusive right and be obligated to conduct Unit Operations.

7.2 Workmanlike Conduct. Unit Operator shall conduct Unit Operations in a good and workmanlike manner as would a prudent operator under the same or similar circumstances. Unit Operator shall freely consult with Working Interest Owners and keep them informed of all matters which Unit Operator, in the exercise of its best judgment, considers important. Unit Operator shall not be liable to Working Interest Owners for damages, unless such damages result from its gross negligence or willful misconduct.

7.3 Liens and Encumbrances. Unit Operator shall endeavor to keep the lands and leases in the Unit Area and Unit Equipment free from all liens and encumbrances occasioned by Unit Operations, except the lien and security interest of Unit Operator and Working Interest Owners granted hereunder.

7.4 Employees. The number of employees used by Unit Operator in conducting Unit Operations, their selection, hours of labor, and compensation shall be determined by Unit Operator. Such employees shall be the employees of Unit Operator.

7.5 Records. Unit Operator shall keep correct books, accounts, and records of Unit Operations.

7.6 Reports to Working Interest Owners. Unit Operator shall furnish Working Interest Owners periodic reports of Unit Operations.

7.7 Reports to Governmental Authorities. Unit Operator shall make all reports to governmental authorities that it has the duty to make as Unit Operator.

7.8 Engineering and Geological Information. Unit Operator shall furnish to a Working Interest Owner, upon written request, a copy of all logs and other engineering and geological data pertaining to wells drilled for Unit Operations.

7.9 Expenditures. Unit Operator is authorized to make single expenditures not in excess of Fifteen Thousand Dollars (\$15,000.00) without prior approval of Working Interest Owners. If an emergency occurs, Unit Operator may immediately make or incur such expenditures as in its opinion are required to deal with the emergency. Unit Operator shall report to Working Interest Owners, as promptly as possible, the nature of the emergency and the action taken.

7.10 Wells Drilled by Unit Operator. All wells drilled by Unit Operator shall be at the usual rates prevailing in the area. Unit Operator may employ its own tools and equipment, but the charge therefor shall not exceed the usual rates prevailing in the area, and the work shall be performed by Unit Operator under the same terms and conditions as are usual in the area in contracts of independent contractors doing work of a similar nature.

7.11 Border Agreements. Unit Operator may, after approval by Working Interest Owners, enter into border agreements with respect to lands adjacent to the Unit Area for the purpose of coordinating operations.

ARTICLE 8 TAXES

8.1 Ad Valorem Taxes. Beginning with the first calendar year after the Effective Date hereof, Unit Operator shall make and file all necessary ad valorem tax renditions and returns with the proper taxing authorities with respect to all property of each Working Interest Owner used or held by Unit Operator for Unit Operations. Unit Operator shall settle assessments arising therefrom. All such ad valorem taxes shall be paid by Unit Operator and charged to the joint account; however, if the interest of a Working Interest Owner is subject to a separately assessed overriding royalty interest, production payment, or other interest in excess of a one-eighth (1/8) royalty, such Working Interest Owner shall notify Unit Operator of such interest prior to the rendition date and shall be given credit for the reduction in taxes paid resulting therefrom. Any Working Interest Owner dissatisfied with any assessment of its interest in real or personal property shall have the right, at its own expense, and after due notice to the Operator, to protest and resist any such assessment.

8.2 Other Taxes. Each Working Interest Owner shall pay or cause to be paid all production, severance, gathering, and other taxes imposed upon or with respect to the production or handling of its share of Unitized Substances.

ARTICLE 9 INSURANCE

9.1 Insurance. Unit Operator, with respect to Unit Operations, shall: (a) comply with the Workmen's Compensation Laws of the State; (b) carry Employer's Liability and other insurance required by the laws of the State; and (c) provide other insurance as set forth in Exhibit F.

ARTICLE 10 ADJUSTMENT OF INVESTMENTS

10.1 Personal Property Taken Over. Upon Effective Date, Working Interest Owners shall deliver to Unit Operator the following:

10.1.1 Wells. All wells completed in the Unitized Formation.

10.1.2 Well and Lease Equipment. The casing and tubing in each such well, the wellhead connections thereon, and all other lease and operating equipment that is used in the operation of such wells which Working Interest Owners determine is necessary or desirable for conducting Unit Operations.

10.1.3 Records. A copy of all production and well records for such wells.

10.2 Inventory and Evaluation of Personal Property. Working Interest Owners shall at Unit Expense inventory and evaluate, as determined by Working Interest Owners, the personal property taken over by Unit Operator under Section 10.1.2. Such inventory shall include and be limited to those items of equipment considered controllable under Exhibit "E" except, upon determination of Working Interest Owners, items considered uncontrollable may be included in the inventory in order to insure a more equitable adjustment of investment. Casing shall be included in the inventory for record purposes, but shall be excluded from evaluation and investment adjustment.

10.3 Investment Adjustment. Upon approval of Working Interest Owners of the inventory and evaluation, each Working Interest Owner shall be credited with the value, as determined in accordance with Section 10.2 above, of its interest in all personal property taken over by Unit Operator under Section 10.1.2 and charged with an amount equal to that obtained by multiplying the total value of all such personal property taken over by Unit Operator under Section 10.1.2 by such Working Interest Owner's Unit Participation, as shown in Exhibit "D." If

the charge against any Working Interest Owner is greater than the amount credited to such Working Interest Owner, the resulting net charge shall be paid and in all other respects be treated as any other item of Unit Expense chargeable against such Working Interest Owner. If the credit to any Working Interest Owner is greater than the amount charged against such Working Interest Owner, the resulting net credit shall be paid to such Working Interest Owner by Unit Operator out of funds received by it in settlement of the net charges described above.

10.4 General Facilities. The acquisition of warehouses, warehouse stocks, lease houses, camps, facility systems, and office buildings necessary for Unit Operations shall be by negotiation by the owners thereof and Unit Operator, subject to the approval of Working Interest Owners.

10.5 Ownership of Personal Property and Facilities. Each Working Interest Owner, individually, shall by virtue hereof own an undivided interest, equal to its Unit Participation, in all personal property and facilities taken over or otherwise acquired by Unit Operator pursuant to this Agreement.

ARTICLE 11 UNIT EXPENSE

11.1 Basis of Charges to Working Interest Owners. Unit Operator initially shall provide for all Unit Expense in accordance with the provisions of this Article 11. Each Working Interest Owner shall reimburse Unit Operator for its share of Unit Expense in proportion to the respective Unit Participations of the parties hereto. All charges, credits, and accounting for Unit Expense shall be in accordance with Exhibit "E."

11.2 Budgets. Before or as soon as practical after the Effective Date, Unit Operator shall prepare a budget of estimated Unit Expense for the remainder of the calendar year, and, on or before the first day of each August thereafter, shall prepare a budget for the ensuing calendar year. A budget shall set forth the estimated Unit Expense by quarterly periods. Budgets shall be estimates only, and shall be adjusted or corrected by Working Interest Owners and Unit Operator whenever an adjustment or correction is proper. A copy of each budget and adjusted budget shall be furnished promptly to each Working Interest Owner.

11.3 Advance Billing. Unit Operator shall have the right, without prejudice to other rights or remedies, to require Working Interest Owners to advance their respective shares of estimated Unit Expense by submitting to Working Interest Owners, on or before the 15th day of any month, an itemized estimate thereof for the succeeding two months, with a request for payment in advance. Within fifteen (15) days after receipt of the estimate, each Working Interest Owner shall pay to Unit Operator its share of such estimate. Adjustments between estimated and actual Unit Expense shall be made by Unit Operator at the close of each calendar month, and the accounts of Working Interest Owners shall be adjusted accordingly.

11.4 Commingling of Funds. Funds received by Unit Operator under this Agreement need not be segregated or maintained by it as a separate fund, but may be commingled with its own funds.

11.5 Lien and Security Interest of Unit Operator and Working Interest Owners. Each Working Interest Owner grants to Unit Operator a lien upon its Oil and Gas Rights in each Tract, and a security interest in its share of Unitized Substances when extracted and its interest in all Unit Equipment, to secure payment of its share of Unit Expense, together with interest thereon at the rate of Prime +2% per annum but not to be less than 21% per annum. To the extent that Unit Operator has a security interest under the Uniform Commercial Code of the State, Unit Operator shall be entitled to exercise the rights and remedies of a secured party under the Code. The bringing of a suit and the obtaining of judgment by Unit Operator for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien rights or security interest as security for the payment thereof. In addition, upon default by any Working Interest Owner in the payment of its share of Unit Expense, Unit Operator shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from the sale of such Working Interest Owner's share of Unitized Substances until the amount owed by such Working Interest Owner, plus interest has been paid. Each purchaser shall be entitled to rely upon Unit Operator's written statement concerning the amount of any default. Unit Operator grants a like lien and security interest to the Working Interest Owners.

11.6 Unpaid Unit Expense. If any Working Interest Owner fails or is unable to pay its share of Unit Expense within sixty (60) days after rendition of a statement therefor by Unit Operator, the non-defaulting Working Interest Owners shall, upon request by Unit Operator, pay the unpaid amount as if it were Unit Expense in the proportion that the Unit Participation of each Working Interest Owner bears to the Unit Participation of all such Working Interest Owners. Each

Working Interest Owner so paying its share of the unpaid amount shall, to obtain reimbursement thereof, be subrogated to the security rights described in Section 11.5 of this Agreement.

11.7 Uncommitted Royalty. Should an owner of a Royalty Interest in any Tract fail to become a party to the Unit Agreement, and, as a result thereof, the actual Royalty Interest payments with respect to such Tract are more or less than the Royalty Interest payments computed on the basis of the Unitized Substances that are allocated to such Tract under the Unit Agreement, the difference shall be borne by or inure to the benefit of Working Interest Owners, in proportion to their respective Unit Participations at the time the Unitized Substances were produced; however, the difference to be borne by or inure to the benefit of the Working Interest Owners shall not exceed an amount computed on the basis of one-eighth (1/8) of the difference between the Unitized Substances allocated to the Tract and the Unitized Substances produced from the Tract. Such adjustments shall be made by charges and credits to the joint account.

11.8 Rentals. The Working Interest Owners in each Tract shall pay all rentals, minimum Royalty, advance rentals or delay rentals due under the lease thereon and shall concurrently submit to the Unit Operator evidence of payment.

11.9 Carved-out Interests. Any overriding royalty, production payment, net proceeds interest, carried interest or any other interest carved out of a Working Interest shall be subject to this Agreement. If a Working Interest Owner does not pay its share of Unit Expense and the proceeds from the sale of Unitized Substances under Article 11.5 are insufficient for that purpose, the security rights provided for therein may be applied against the carved-out interests with which such Working Interest is burdened. In such event, the owner of such carved-out interest shall be subrogated to the security rights granted by Article 11.5.

ARTICLE 12 NON-UNITIZED FORMATIONS

12.1 Right to Operate. Any Working Interest Owner that now has or hereafter acquires the right to drill for and produce oil, gas or other minerals, from a formation underlying the Unit Area other than the Unitized Formation, shall have the right to do so notwithstanding this Agreement or the Unit Agreement. In exercising the right, however, the Working Interest Owner shall exercise care to prevent unreasonable interference with Unit Operations. No Working Interest Owner shall produce Unitized Substances through any well drilled or operated by it. If any Working Interest Owner drills any well into or through the Unitized Formation, the Unitized Formation shall be protected in a manner satisfactory to Working Interest Owners so that the production of Unitized Substances will not be affected adversely.

12.2 Multiple Completions. No well now or hereafter completed in the unitized formations shall ever be completed as a multiple completion with any other formation unless such multiple completion and the subsequent handling of the multiple completion is approved by Working Interest Owners in accordance with Article 4.3 of this Agreement.

ARTICLE 13 TITLES

13.1 Warranty and Indemnity. Each Working Interest Owner represents and warrants that it is the owner of the respective working interest set forth opposite its name in Exhibit "B" of the Unit Agreement, and agrees to indemnify and hold harmless the other Working Interest Owners from any loss due to failure, in whole or in part, of its title to any such interest, except failure of title arising out of Unit Operations; however, such indemnity and any liability for breach of warranty shall be limited to an amount equal to the net value that has been received from the sale or receipt of Unitized Substances attributed to the interest as to which title failed. Each failure of title will be deemed to be effective, insofar as this Agreement is concerned, as of 7:00 A.M. on the first day of the calendar month in which such failure is finally determined, and there shall be no retroactive adjustment of Unit Expense, or retroactive allocation of Unitized Substances or the proceeds therefrom, as a result of title failure.

ARTICLE 14 LIABILITY, CLAIMS, AND SUITS

14.1 Individual Liability. The duties and obligations, and liabilities of Working Interest Owners shall be several and not joint or collective; and nothing herein shall ever be construed as creating a partnership of any kind, joint venture, association, or trust among Working Interest Owners.

14.2 Settlements. Unit Operator may settle any single damage claim or suit involving Unit Operations if the expenditure does not exceed Five Thousand Dollars (\$5,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, Working Interest Owners shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Unit Operator. All costs and expense of handling, settling, or otherwise discharging such claim or suit shall be an item of Unit Expense. If a claim is made against any Working Interest Owner or if any Working Interest Owner is sued on account of any matter arising from Unit Operations over which such Working Interest Owner individually has no control because of the rights given Working Interest Owners and Unit Operator by this Agreement and the Unit Agreement, the Working Interest Owner shall immediately notify the Unit Operator, and the claim or suit shall be treated as any other claim or suit involving Unit Operations.

ARTICLE 15
LAWS AND REGULATIONS

15.1 Internal Revenue Provision. Notwithstanding any provisions herein that the rights and liabilities of the parties hereunder are several and not joint or collective, or that this Agreement and operations hereunder shall not constitute a partnership, if for Federal income tax purposes this Agreement and the operations hereunder are regarded as a partnership, then each of the parties hereto elects to be excluded from the application of all of the provisions of Subchapter K, Chapter 1, Subtitle A, of the Internal Revenue Code of 1954, as permitted and authorized by Section 761 of the Code and the regulations promulgated thereunder. Unit Operator is hereby authorized and directed to execute on behalf of each of the parties hereto such evidence of this election as may be required by the Secretary of the Treasury of the United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements, and the data required by Federal Regulations 1.761-1(a). Should there be any requirement that each party hereto further evidence this election, each party hereto agrees to execute such documents and furnish such other evidence as may be required by the Federal Internal Revenue Service or as may be necessary to evidence this election. Each party hereto further agrees not to give any notices or take any other action inconsistent with the election made hereby. If any present or future income tax laws of the state or states in which the Unit Area is located, or any future income tax law of the United States, contain provisions similar to those in Subchapter K, Chapter 1, Subtitle A, of the Internal Revenue Code of 1954, under which an election similar to that provided by Section 761 of the Code is permitted, each of the parties agrees to make election as may be permitted, or required by such laws. In making this election, each of the parties states that the income derived by such party from the operations under this Agreement can be adequately determined without the computation of partnership taxable income.

ARTICLE 16
NOTICES

16.1 Notices. All notices required hereunder shall be in writing and shall be deemed to have been properly served when sent by certified mail ("return receipt requested") or telegram to the address of the representative of each Working Interest Owner as furnished to Unit Operator in accordance with Article 4.

ARTICLE 17
WITHDRAWAL OF WORKING INTEREST OWNER

17.1 Withdrawal. A Working Interest Owner may withdraw from this Agreement by transferring, without warranty of title, either express or implied, to the other Working Interest Owners, all its Oil and Gas Rights, exclusive of Royalty Interests, together with its interest in all Unit Equipment and in all wells used in Unit Operations. The instrument of transfer may be delivered to Unit Operator for the transferees. Such transfer shall not relieve the Working Interest Owner from any obligation or liability incurred prior to the date of the delivery of the instrument of transfer; however, the tender has to be accepted unless Working Interest Owners decide within ninety (90) days to terminate the Unit. The interest transferred shall be owned by the transferees in proportion to their respective Unit Participations in effect. The transferees, in proportion to the respective interest so acquired, shall pay transferor, for its interest in Unit Equipment, the net salvage value thereof as determined by Working Interest Owners. In the event such withdrawing party's interest in the aforesaid fair salvage value after deducting the estimated cost of salvaging

same is less than the withdrawing party's share of estimated cost of plugging and abandoning the wells then being used or held for Unit Operations, then the withdrawing party, as condition precedent to withdrawal, shall pay in cash to the party or parties succeeding to its interest a sum equal to the deficiency. Within sixty (60) days after receiving delivery of the transfer, Unit Operator shall render a final statement to the withdrawing owner for its share of Unit Expense, including any deficiency in salvage value, as determined by Working Interest Owners, incurred as of the first day of the month following the date of receipt of the transfer. Provided all Unit Expense, including any deficiency hereunder, due from the withdrawing owner has been paid in full within thirty (30) days after the rendering of such final statement by the unit Operator, the transfer shall be effective the first day of the month following its receipt by Unit Operator and, as of such effective date, withdrawing owner shall be relieved from all further obligations and liabilities hereunder and under the Unit Agreement, and the rights of the withdrawing Working Interest Owner hereunder and under the Unit Agreement shall cease insofar as they existed by virtue of the interest transferred.

17.2 Limitation on Withdrawal. Notwithstanding anything set forth in Section 17.1, Working Interest Owners may refuse to permit the withdrawal of a Working Interest Owner if its Working Interest is burdened by any royalties, overriding royalties, production payments, net proceeds interest, carried interest, or any other interest created out of the Working Interest in excess of one-eighth (1/8) lessor's royalty, unless the other Working Interest Owners willing to accept the assignment agree to accept the Working Interest subject to such burdens.

ARTICLE 18
ABANDONMENT OF WELLS

18.1 Rights of Former Owners. If Working Interest Owners decide to permanently abandon any well within the Unit Area prior to termination of the Unit Agreement, Unit Operator shall give written notice thereof to the Working Interest Owners of the tract on which the well is located, and they shall have the option for a period of ninety (90) days after the sending of such notice to notify the Unit Operator in writing of their election to take over and own the well. Within ten (10) days after the Working Interest Owners of the Tract have notified the Unit Operator of their election to take over the well, they shall pay Unit Operator, for credit to the joint account, the amount determined by Working Interest Owners to be the net salvage value of the casing and equipment in and on the well. The Working Interest Owners of the Tract, by taking over the well, agree to seal off the Unitized Formation, and upon abandonment to plug the well in compliance with applicable laws and regulations.

18.2 Plugging. If the Working Interest Owners of a Tract do not elect to take over a well located within the Unit Area that is proposed for Abandonment, Unit Operator shall plug and abandon the well in compliance with applicable laws and regulations.

ARTICLE 19
EFFECTIVE DATE AND TERM

19.1 Effective Date. This Agreement shall become effective when the Unit Agreement becomes effective.

19.2 Term. This Agreement shall continue in effect so long as the Unit Agreement remains in effect, and thereafter until (a) all unit wells have been plugged and abandoned or turned over to Working Interest Owners in accordance with Article 20; (b) all Unit Equipment and real property acquired for the joint account have been disposed of by Unit Operator in accordance with instructions of Working Interest Owners; and (c) there has been a final accounting.

ARTICLE 20
ABANDONMENT OF OPERATIONS

20.1 Termination. Upon termination of the Unit Agreement, the following will occur:

20.1.1 Oil and Gas Rights. Oil and Gas Rights in and to each separate Tract shall no longer be affected by this Agreement, and thereafter the parties shall be governed by the terms and provisions of the leases, contracts and other instruments affecting the separate Tracts.

20.1.2 Right to Operate. Working Interest Owners of any Tract that desire to take over and continue to operate wells located thereon may do so by paying Unit Operator, for credit to the joint account, the net salvage values, as determined by Working Interest Owners, of the casing and equipment in and on the wells taken over and by agreeing upon abandonment to plug each well in compliance with applicable laws and regulations.

20.1.3 Salvaging Wells. Unit Operator shall salvage as much of the casing and equipment in or on wells not taken over by Working Interest Owners of separate Tracts as can economically and reasonably be salvaged, and shall cause the wells to be plugged and abandoned in compliance with applicable laws and regulations.

20.1.4 Cost of Abandonment. The cost of abandonment of Unit Operations shall be Unit Expense.

20.1.5 Distribution of Assets. Working Interest Owners shall share in the distribution of Unit Equipment, or the proceeds thereof, in proportion to their Unit Participations.

ARTICLE 21
EXCISE TAX PROVISIONS

21.1 Crude Oil Excise Tax. For the period during which excise taxes are payable under the Crude Oil Windfall Profit Tax Act of 1980 on any party's Unitized Substances, the first crude oil allocated to any Tract after distribution of any incremental tertiary crude as hereinafter provided shall be the tax tier type of crude oil actually produced or considered to have been produced during the base period under I.R.C. regulations but not to exceed its Tract Participation share or the amount of such tax tier type of crude oil currently available. Any excess of a tax tier type of crude oil existing after the foregoing specific identification allocation shall be allocated to the remaining Tracts in the unit which have an underallocation of crude oil in proportion to the amount of their relative underallocations of crude oil. Anything hereinabove notwithstanding, any incremental tertiary oil as defined under I.R.C. Section 4993 shall be allocated to each Tract in accordance with its Tract Participation prior to any other allocation of tax tier type of crude oil under this Article 21.1. In no case shall the sum of the different tax tier types of crude oil allocated to any Tract exceed the total amount of crude oil allocable under its Tract Participation.

21.2 Amendment by Working Interest Owners. This Article 21 may be amended or deleted by vote of the Working Interest Owners using the voting procedure set out in Article 4.3 of this Operating Agreement if in the opinion of the Working Interest Owners (a) application of Article 21 as written becomes unworkable or inequitable as a result of changes in laws or regulations of any governmental agency, or (b) amendment or deletion of this Article 21 is necessary to comply with applicable laws, rules, regulations or orders of any governmental agency having jurisdiction.

ARTICLE 22
EXECUTION

22.1 Original, Counterpart, or Other Instruments. An owner of a Working Interest may become a party to this Agreement by signing the original of this instrument, a counterpart thereof, or other instrument agreeing to become a party hereto. The signing of such instrument shall have the same effect as if all parties had signed the same instrument.

ARTICLE 23
GOVERNMENTAL REGULATIONS

23.1 Governmental Regulations. Working Interest Owners agree to release Unit Operator from any and all losses, damages, injuries, claims and causes of action arising out of, incident to or resulting directly or indirectly from Unit Operator's interpretation or application of rules, regulations or orders of any governmental agency or predecessor agencies to the extent Unit Operator's interpretation or application of such rules, rulings, regulations or orders were made in good faith. Working Interest Owners further agree to reimburse Unit Operator for their proportionate share of any amounts Unit Operator may be required to refund, rebate or pay as a result of an incorrect interpretation or application of the above noted rules, rulings, regulations or orders, together with their proportionate part of interest and penalties owing by Unit Operator as a result of such incorrect interpretation or application of such rules, rulings, regulations or orders.

ARTICLE 24
SUCCESSORS AND ASSIGNS

24.1 Successors and Assigns. This Agreement shall extend to, be binding upon, and inure to the benefit of the parties hereto and their respective heirs, devisees, legal representatives, successors and assigns, and shall constitute a

(final copy 11/15/85)

covenant running with the lands, leases and interests covered hereby.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the dates opposite their respective signatures.

"UNIT OPERATOR" AND "WORKING INTEREST OWNER"
MURPHY OPERATING CORPORATION

ATTEST:

Nadine Reed, Secretary

By: _____
A. J. Murphy, Chairman & Chief
Executive Officer

"NON-OPERATORS"

F. W. Baumgartner
9785 Maroon Circle, Suite G-104
Englewood, Colorado 80112

Mr. J. E. Gieszinski
22 Riverside Drive
Roswell, New Mexico 88201

Mr. A. W. Dillard, Jr.
Post Office Box 423
Midland, Texas 79701

James H. Hamersley
Box 282A SHS
Duxbury, Massachusetts 02331

HANOVER PETROLEUM CORPORATION

ATTEST:

, Secretary

By: _____
Ward M. Clark, Vice President
2950 One Allen Center
Houston, Texas 77002

HARVARD & LEMAY EXPLORATION, LTD.

By: _____
Post Office Box 936
Roswell, New Mexico 88202-0936

Tom L. Ingram
Post Office Box 1757
Roswell, New Mexico 88202-1757

KELLY FAMILY TRUST

By: _____
Arthur Kelly
10889 Wilshire Boulevard, Suite 1032
Los Angeles, California 90024

Earl A. Latimer, Jr.
1802 West Fourth Street
Roswell, New Mexico 88201

KAISER-FRANCIS OIL COMPANY

ATTEST:

, Secretary

By: _____
Post Office Box 21468
Tulsa, Oklahoma 74121-1468

ATTEST:

Mary L. Layton, Secretary

Jack L. McClellan
Post Office Drawer 730
Roswell, New Mexico 88202-0730

Willis L. Sanburg
22156 Highway 550
Montrose, Colorado 81401

ATTEST:

, Secretary

Ralph H. Viney
500 North Loraine, Suite 1000
Midland, Texas 79701

ATTEST:

, Secretary

LAYTON ENTERPRISES, INC.

Donald R. Layton, President
3103 79th Street
Lubbock, Texas 79423

Larry McIntosh
130 Spring Park Drive, Suite 103
Midland, Texas 79705

Frank Southworth
5650 S. Syracuse Circle, Suite 217
Englewood, Colorado 80111

TRINITY RESOURCES, INC.

By: _____, President
2600 Republic Bank Center
700 Louisiana Street
Houston, Texas 77002

John B. Wogan, Jr.
600 South Cherry Street, Suite 800
Denver, Colorado 80222

THE WISER OIL COMPANY

By: _____, President
905 Oil and Gas Building
Wichita Falls, Texas 76307

(final copy 11/15/85)

EXHIBIT "D"
 TO UNIT OPERATING AGREEMENT
 BLUITT SAN ANDRES UNIT
 ROOSEVELT COUNTY, NEW MEXICO

Working Interest Owner	Percent Unit Participation				
	Original Participation*	Initial Participating Interests (1)	After Payout of Interests Unitized by Statute (2)	After Payout of Farmout Interests (3)	After Payout of McClellan Interest (4)
F. W. Baumgartner (2)	0.507660000	0.000000000	0.507660000	0.507660000	0.507660000
J. E. Ciesinski (1)	0.422933000	0.566168568	0.550513697	0.486723349	0.486723349
A. W. Dillard, Jr. (Fixed Interest)	2.107233333	2.107233333	2.107233333	2.107233333	2.107233333
James H. Hamersley (2)	0.507660000	0.000000000	0.507660000	0.507660000	0.507660000
Hanover Petroleum Corporation (1) (4)	12.715586251	17.021999383	16.551331777	14.633459014	14.299449764
Harvard & LeMay Exploration, Ltd. (3) (4)	1.837051562	0.000000000	0.000000000	0.918525781	0.835023468
Tom L. Ingram A (fixed interest)	21.401870000	6.093500000	6.093500000	6.093500000	6.093500000
Tom L. Ingram B (3)	0.000000000	0.000000000	0.000000000	7.654185000	7.654185000
Kelly Family Trust (2)	0.507660000	0.000000000	0.507660000	0.507660000	0.507660000
Kaiber-Francis Oil Co. (3)	1.433436000	0.000000000	0.000000000	0.716718000	0.716718000
Earl A. Latimer, Jr. (1)	0.422933000	0.566168568	0.550513697	0.486723349	0.486723349
Layton Enterprises, Inc. (1)	0.358359000	0.479725162	0.466460499	0.412409749	0.412409749
Jack L. McClellan (1)	0.000000000	0.000000000	0.000000000	0.000000000	1.336037000
Larry McIntosh (1)	2.107233334	2.820894279	2.742895007	2.425064171	2.425064171
Murphy Operating Corporation - A (1) (4)	2.939282499	3.934735206	3.825937623	3.382610061	3.249006361
Murphy Operating Corporation - B (1)	3.488797000	4.670354887	4.541217016	4.015007008	4.015007008
Willis L. Sanburg (2)	0.507660000	0.000000000	0.507660000	0.507660000	0.507660000
Frank Southworth (2)	0.253830000	0.000000000	0.253830000	0.253830000	0.253830000
Trinity Resources, Inc. - A (1) (4)	29.881627688	40.001698548	38.895629676	34.388628682	33.603706945
Trinity Resources, Inc. - B (1)	5.664799000	7.583307854	7.373625238	6.519212119	6.519212119
Ralph H. Vinay (3)	2.107233333	0.000000000	0.000000000	1.053616666	1.053616666
The Wisner Oil Company (1)	10.573325000	14.154214212	13.762842437	12.168083718	12.168083718
John B. Wogan, Jr. (2)	0.253830000	0.000000000	0.253830000	0.253830000	0.253830000
	<u>100.000000000</u>	<u>100.000000000</u>	<u>100.000000000</u>	<u>100.000000000</u>	<u>100.000000000</u>

(1) indicates unit participants who have agreed to bear their pro rata share of costs for interests that have been farmed out to the unit and for interests to be unitized by statute;

(2) indicates interests of unit participants after payout of interests to be unitized by statute;

(3) indicates interests of unit participants after payout of interests that have been farmed out to unit;

(4) indicates interests of unit participants after payout of McClellan interest.

EXHIBIT " E "

Attached to and made a part of that certain Unit Operating Agreement,
Bluitt San Andres Unit, County of Roosevelt, State of New
Mexico, dated November 1, 1985.

ACCOUNTING PROCEDURE
JOINT OPERATIONS

I. GENERAL PROVISIONS

1. Definitions

"Joint Property" shall mean the real and personal property subject to the agreement to which this Accounting Procedure is attached.

"Joint Operations" shall mean all operations necessary or proper for the development, operation, protection and maintenance of the Joint Property.

"Joint Account" shall mean the account showing the charges paid and credits received in the conduct of the Joint Operations and which are to be shared by the Parties.

"Operator" shall mean the party designated to conduct the Joint Operations.

"Non-Operators" shall mean the parties to this agreement other than the Operator.

"Parties" shall mean Operator and Non-Operators.

"First Level Supervisors" shall mean those employees whose primary function in Joint Operations is the direct supervision of other employees and/or contract labor directly employed on the Joint Property in a field operating capacity.

"Technical Employees" shall mean those employees having special and specific engineering, geological or other professional skills, and whose primary function in Joint Operations is the handling of specific operating conditions and problems for the benefit of the Joint Property.

"Personal Expenses" shall mean travel and other reasonable reimbursable expenses of Operator's employees.

"Material" shall mean personal property, equipment or supplies acquired or held for use on the Joint Property.

"Controllable Material" shall mean Material which at the time is so classified in the Material Classification Manual as most recently recommended by the Council of Petroleum Accountants Societies of North America.

2. Statement and Billings

Operator shall bill Non-Operators on or before the last day of each month for their proportionate share of the Joint Account for the preceding month. Such bills will be accompanied by statements which identify the authority for expenditure, lease or facility, and all charges and credits, summarized by appropriate classifications of investment and expense except that items of Controllable Material and unusual charges and credits shall be separately identified and fully described in detail.

3. Advances and Payments by Non-Operators

Unless otherwise provided for in the agreement, the Operator may require the Non-Operators to advance their share of estimated cash outlay for the succeeding ^{two} month's operation. Operator shall adjust each monthly billing to reflect advances received from the Non-Operators.

Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made within such time, the unpaid balance shall bear interest monthly at the rate as defined in Section II. of UOA or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of unpaid amounts.

4. Adjustments

Payment of any such bills shall not prejudice the right of any Non-Operator to protest or question the correctness thereof; provided, however, all bills and statements rendered to Non-Operators by Operator during any calendar year shall conclusively be presumed to be true and correct after twenty-four (24) months following the end of any such calendar year, unless within the said twenty-four (24) month period a Non-Operator takes written exception thereto and makes claim on Operator for adjustment. No adjustment favorable to Operator shall be made unless it is made within the same prescribed period. The provisions of this paragraph shall not prevent adjustments resulting from a physical inventory of Controllable Material as provided for in Section V.

5. Audits

A. Non-Operator, upon notice in writing to Operator and all other Non-Operators, shall have the right to audit Operator's accounts and records relating to the Joint Account for any calendar year within the twenty-four (24) month period following the end of such calendar year; provided, however, the making of an audit shall not extend the time for the taking of written exception to and the adjustments of accounts as provided for in Paragraph 4 of this Section I. Where there are two or more Non-Operators, the Non-Operators shall make every reasonable effort to conduct joint or simultaneous audits in a manner which will result in a minimum of inconvenience to the Operator. Operator shall bear no portion of the Non-Operators' audit cost incurred under this paragraph unless agreed to by the Operator.

6. Approval by Non-Operators

Where an approval or other agreement of the Parties or Non-Operators is expressly required under other sections of this Accounting Procedure and if the agreement to which this Accounting Procedure is attached contains no contrary provisions in regard thereto, Operator shall notify all Non-Operators of the Operator's proposal, and the agreement or approval of a majority in interest of the Non-Operators shall be controlling on all Non-Operators.

II. DIRECT CHARGES

Operator shall charge the Joint Account with the following items:

1. Rentals and Royalties

Lease rentals and royalties paid by Operator for the Joint Operations.

2. Labor

- A. (1) Salaries and wages of Operator's field employees directly employed on the Joint Property in the conduct of Joint Operations.
- (2) Salaries of First Level Supervisors in the field.
- (3) Salaries and wages of Technical Employees directly employed on the Joint Property if such charges are excluded from the Overhead rates.
- B. Operator's cost of holiday, vacation, sickness and disability benefits and other customary allowances paid to employees whose salaries and wages are chargeable to the Joint Account under Paragraph 2A of this Section II. Such costs under this Paragraph 2B may be charged on a "when and as paid basis" or by "percentage assessment" on the amount of salaries and wages chargeable to the Joint Account under Paragraph 2A of this Section II. If percentage assessment is used, the rate shall be based on the Operator's cost experience.
- C. Expenditures or contributions made pursuant to assessments imposed by governmental authority which are applicable to Operator's costs chargeable to the Joint Account under Paragraphs 2A and 2B of this Section II.
- D. Personal Expenses of those employees whose salaries and wages are chargeable to the Joint Account under Paragraph 2A of this Section II.

3. Employee Benefits

Operator's current costs of established plans for employees' group life insurance, hospitalization, pension, retirement, stock purchase, thrift, bonus, and other benefit plans of a like nature, applicable to Operator's labor cost chargeable to the Joint Account under Paragraphs 2A and 2B of this Section II shall be Operator's actual cost not to exceed twenty-three per cent (23%) or the per cent most recently recommended by the Council of Petroleum Accountants Societies of North America.

4. Material

Material purchased or furnished by Operator for use on the Joint Property as provided under Section IV. Only such Material shall be purchased for or transferred to the Joint Property as may be required for immediate use and is reasonably practical and consistent with efficient and economical operations. The accumulation of surplus stocks shall be avoided.

5. Transportation

Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

- A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store, recognized barge terminal, or railway receiving point where like material is normally available, unless agreed to by the Parties.
- B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store, recognized barge terminal, or railway receiving point unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.
- C. In the application of Subparagraphs A and B above, there shall be no equalization of actual gross trucking cost of \$200 or less excluding accessorial charges.

6. Services

The cost of contract services, equipment and utilities provided by outside sources, except services excluded by Paragraph 9 of Section II and Paragraph 1. ii of Section III. The cost of professional consultant services and contract services of technical personnel directly engaged on the Joint Property if such charges are excluded from the Overhead rates. The cost of professional consultant services or contract services of technical personnel not directly engaged on the Joint Property shall not be charged to the Joint Account unless previously agreed to by the Parties.

7. Equipment and Facilities Furnished by Operator

- A. Operator shall charge the Joint Account for use of Operator owned equipment and facilities at rates commensurate with costs of ownership and operation. Such rates shall include costs of maintenance, repairs, other operating expense, insurance, taxes, depreciation, and interest on investment not to exceed eight per cent (8%) per annum. Such rates shall not exceed average commercial rates currently prevailing in the immediate area of the Joint Property.
- B. In lieu of charges in Paragraph 7A above, Operator may elect to use average commercial rates prevailing in the immediate area of the Joint Property less 20%. For automotive equipment, Operator may elect to use rates published by the Petroleum Motor Transport Association.

8. Damages and Losses to Joint Property

All costs or expenses necessary for the repair or replacement of Joint Property made necessary because of damages or losses incurred by fire, flood, storm, theft, accident, or other cause, except those resulting from Operator's gross negligence or willful misconduct. Operator shall furnish Non-Operator written notice of damages or losses incurred as soon as practicable after a report thereof has been received by Operator.

9. Legal Expense

Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgments and amounts paid for settlement of claims incurred in or resulting from operations under the agreement or necessary to protect or recover the Joint Property, except that no charge for services of Operator's legal staff or fees or expense of outside attorneys shall be made unless previously agreed to by the Parties. All other legal expense is considered to be covered by the overhead provisions of Section III unless otherwise agreed to by the Parties, except as provided in Section I, Paragraph 3.

10. Taxes

All taxes of every kind and nature assessed or levied upon or in connection with the Joint Property, the operation thereof, or the production therefrom, and which taxes have been paid by the Operator for the benefit of the Parties.

11. Insurance

Net premiums paid for insurance required to be carried for the Joint Operations for the protection of the Parties. In the event Joint Operations are conducted in a state in which Operator may act as self-insurer for Workmen's Compensation and/or Employers Liability under the respective state's laws, Operator may, at its election, include the risk under its self-insurance program and in that event, Operator shall include a charge at Operator's cost not to exceed manual rates.

12. Other Expenditures

Any other expenditure not covered or dealt with in the foregoing provisions of this Section II, or in Section III, and which is incurred by the Operator in the necessary and proper conduct of the Joint Operations.

III. OVERHEAD

1. Overhead - Drilling and Producing Operations

i. As compensation for administrative, supervision, office services and warehousing costs, Operator shall charge drilling and producing operations on either:

- (x) Fixed Rate Basis, Paragraph 1A, or
- () Percentage Basis, Paragraph 1B.

Unless otherwise agreed to by the Parties, such charge shall be in lieu of costs and expenses of all offices and salaries or wages plus applicable burdens and expenses of all personnel, except those directly chargeable under Paragraph 2A, Section II. The cost and expense of services from outside sources in connection with matters of taxation, traffic, accounting or matters before or involving governmental agencies shall be considered as included in the Overhead rates provided for in the above selected Paragraph of this Section III unless such cost and expense are agreed to by the Parties as a direct charge to the Joint Account.

ii. The salaries, wages and Personal Expenses of Technical Employees and, or the cost of professional consultant services and contract services of technical personnel directly employed on the Joint Property shall () shall not (x) be covered by the Overhead rates.

A. Overhead - Fixed Rate Basis

(1) Operator shall charge the Joint Account at the following rates per well per month:

Drilling Well Rate \$ 4,000.00 _____
 Producing Well Rate \$ 400.00 _____

(2) Application of Overhead - Fixed Rate Basis shall be as follows:

(a) Drilling Well Rate

- [1] Charges for onshore drilling wells shall begin on the date the well is spudded and terminate on the date the drilling or completion rig is released, whichever is later, except that no charge shall be made during suspension of drilling operations for fifteen (15) or more consecutive days.
- [2] Charges for offshore drilling wells shall begin on the date when drilling or completion equipment arrives on location and terminate on the date the drilling or completion equipment moves off location or rig is released, whichever occurs first, except that no charge shall be made during suspension of drilling operations for fifteen (15) or more consecutive days.
- [3] Charges for wells undergoing any type of workover or recompletion for a period of five (5) consecutive days or more shall be made at the drilling well rate. Such charges shall be applied for the period from date workover operations, with rig, commence through date of rig release, except that no charge shall be made during suspension of operations for fifteen (15) or more consecutive days.

(b) Producing Well Rates

- [1] An active well either produced or injected into for any portion of the month shall be considered as a one-well charge for the entire month.
- [2] Each active completion in a multi-completed well in which production is not commingled down hole shall be considered as a one-well charge providing each completion is considered a separate well by the governing regulatory authority.
- [3] An inactive gas well shut in because of overproduction or failure of purchaser to take the production shall be considered as a one-well charge providing the gas well is directly connected to a permanent sales outlet.
- [4] A one-well charge may be made for the month in which plugging and abandonment operations are completed on any well.
- [5] All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease allowable, transferred allowable, etc.) shall not qualify for an overhead charge.

(3) The well rates shall be adjusted as of the first day of April each year following the effective date of the agreement to which this Accounting Procedure is attached. The adjustment shall be computed by multiplying the rate currently in use by the percentage increase or decrease in the average weekly earnings of Crude Petroleum and Gas Production Workers for the last calendar year compared to the calendar year preceding as shown by the index of average weekly earnings of Crude Petroleum and Gas Fields Production Workers as published by the United States Department of Labor, Bureau of Labor Statistics, or the equivalent Canadian index as published by Statistics Canada, as applicable. The adjusted rates shall be the rates currently in use, plus or minus the computed adjustment.

~~B. Overhead - Percentage Basis~~

~~(1) Operator shall charge the Joint Account at the following rates:~~

~~(a) Development~~

~~_____ Percent (%) of the cost of Development of the Joint Property exclusive of costs provided under Paragraph 9 of Section II and all salvage credits.~~

~~(b) Operating~~

~~_____ Percent (%) of the cost of Operating the Joint Property exclusive of costs provided under Paragraphs 1 and 9 of Section II, all salvage credits, the value of injected substances purchased for secondary recovery and all taxes and assessments which are levied, assessed and paid upon the mineral interest in and to the Joint Property.~~

~~(2) Application of Overhead - Percentage Basis shall be as follows:~~

~~For the purpose of determining charges on a percentage basis under Paragraph 1B of this Section III, development shall include all costs in connection with drilling, re-drilling, deepening or any remedial operations on any of all wells involving the use of drilling crew and equipment; also, preliminary expenditures necessary in preparation for drilling and expenditures incurred in abandoning when the well is not completed as a producer, and original cost of construction or installation of fixed assets, the expansion of fixed assets and any other project clearly discernible as a fixed asset, except Major Construction as defined in Paragraph 2 of this Section III. All other costs shall be considered as Operating.~~

~~2. Overhead - Major Construction -- To be included in Authority for Expenditure.~~

~~To compensate Operator for overhead costs incurred in the construction and installation of fixed assets, the expansion of fixed assets, and any other project clearly discernible as a fixed asset required for the development and operation of the Joint Property. Operator shall either negotiate a rate prior to the beginning of construction, or shall charge the Joint Account for Overhead based on the following rates for any Major Construction project in excess of \$ _____:~~

- ~~A. _____ % of total costs if such costs are more than \$ _____ but less than \$ _____; plus~~
- ~~B. _____ % of total costs in excess of \$ _____ but less than \$1,000,000; plus~~
- ~~C. _____ % of total costs in excess of \$1,000,000.~~

~~Total cost shall mean the gross cost of any one project. For the purpose of this paragraph, the component parts of a single project shall not be treated separately and the cost of drilling and workover wells shall be excluded.~~

~~3. Amendment of Rates~~

~~The Overhead rates provided for in this Section III may be amended from time to time only by mutual agreement between the Parties hereto if, in practice, the rates are found to be insufficient or excessive.~~

IV. PRICING OF JOINT ACCOUNT MATERIAL PURCHASES, TRANSFERS AND DISPOSITIONS

Operator is responsible for Joint Account Material and shall make proper and timely charges and credits for all material movements affecting the Joint Property. Operator shall provide all Material for use on the Joint Property; however, at Operator's option, such Material may be supplied by the Non-Operator. Operator shall make timely disposition of idle and/or surplus Material, such disposal being made either through sale to Operator or Non-Operator, division in kind, or sale to outsiders. Operator may purchase, but shall be under no obligation to purchase, interest of Non-Operators in surplus condition A or B Material. The disposal of surplus Controllable Material not purchased by the Operator shall be agreed to by the Parties.

1. Purchases

Material purchased shall be charged at the price paid by Operator after deduction of all discounts received. In case of Material found to be defective or returned to vendor for any other reason, credit shall be passed to the Joint Account when adjustment has been received by the Operator.

2. Transfers and Dispositions

Material furnished to the Joint Property and Material transferred from the Joint Property or disposed of by the Operator, unless otherwise agreed to by the Parties, shall be priced on the following bases exclusive of cash discounts:

A. New Material (Condition A)

- (1) Tubular goods, except line pipe, shall be priced at the current new price in effect on date of movement on a maximum carload or barge load weight basis, regardless of quantity transferred, equalized to the lowest published price f.o.b. railway receiving point or recognized barge terminal nearest the Joint Property where such Material is normally available.
- (2) Line Pipe
 - (a) Movement of less than 30,000 pounds shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store nearest the Joint Property where such Material is normally available.
 - (b) Movement of 30,000 pounds or more shall be priced under provisions of tubular goods pricing in Paragraph 2A (1) of this Section IV.
- (3) Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store or f.o.b. railway receiving point nearest the Joint Property where such Material is normally available.

B. Good Used Material (Condition B)

Material in sound and serviceable condition and suitable for reuse without reconditioning:

- (1) Material moved to the Joint Property
 - (a) At seventy-five percent (75%) of current new price, as determined by Paragraph 2A of this Section IV.
- (2) Material moved from the Joint Property
 - (a) At seventy-five percent (75%) of current new price, as determined by Paragraph 2A of this Section IV, if Material was originally charged to the Joint Account as new Material, or

(b) at sixty-five percent (65%) of current new price, as determined by Paragraph 2A of this Section IV, if Material was originally charged to the Joint Account as good used Material at seventy-five percent (75%) of current new price.

The cost of reconditioning, if any, shall be absorbed by the transferring property.

C. Other Used Material (Condition C and D)

(1) Condition C

Material which is not in sound and serviceable condition and not suitable for its original function until after reconditioning shall be priced at fifty percent (50%) of current new price as determined by Paragraph 2A of this Section IV. The cost of reconditioning shall be charged to the receiving property, provided Condition C value plus cost of reconditioning does not exceed Condition B value.

(2) Condition D

All other Material, including junk, shall be priced at a value commensurate with its use or at prevailing prices. Material no longer suitable for its original purpose but usable for some other purpose, shall be priced on a basis comparable with that of items normally used for such other purpose. Operator may dispose of Condition D Material under procedures normally utilized by the Operator without prior approval of Non-Operators.

D. Obsolete Material

Material which is serviceable and usable for its original function but condition and/or value of such Material is not equivalent to that which would justify a price as provided above may be specially priced as agreed to by the Parties. Such price should result in the Joint Account being charged with the value of the service rendered by such Material.

E. Pricing Conditions

(1) Loading and unloading costs may be charged to the Joint Account at the rate of fifteen cents (15¢) per hundred weight on all tubular goods movements, in lieu of loading and unloading costs sustained, when actual hauling cost of such tubular goods are equalized under provisions of Paragraph 5 of Section II.

(2) Material involving erection costs shall be charged at applicable percentage of the current knocked-down price of new Material.

3. Premium Prices

Whenever Material is not readily obtainable at published or listed prices because of national emergencies, strikes or other unusual causes over which the Operator has no control, the Operator may charge the Joint Account for the required Material at the Operator's actual cost incurred in providing such Material, in making it suitable for use, and in moving it to the Joint Property; provided notice in writing is furnished to Non-Operators of the proposed charge prior to billing Non-Operators for such Material. Each Non-Operator shall have the right, by so electing and notifying Operator within ten days after receiving notice from Operator, to furnish in kind all or part of his share of such Material suitable for use and acceptable to Operator.

4. Warranty of Material Furnished by Operator

Operator does not warrant the Material furnished. In case of defective Material, credit shall not be passed to the Joint Account until adjustment has been received by Operator from the manufacturers or their agents.

V. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

1. Periodic Inventories, Notice and Representation

At reasonable intervals, Inventories shall be taken by Operator of the Joint Account Controllable Material. Written notice of intention to take inventory shall be given by Operator at least thirty (30) days before any inventory is to begin so that Non-Operators may be represented when any inventory is taken. Failure of Non-Operators to be represented at an inventory shall bind Non-Operators to accept the inventory taken by Operator.

2. Reconciliation and Adjustment of Inventories

Reconciliation of a physical inventory with the Joint Account shall be made, and a list of overages and shortages shall be furnished to the Non-Operators within six months following the taking of the inventory. Inventory adjustments shall be made by Operator with the Joint Account for overages and shortages, but Operator shall be held accountable only for shortages due to lack of reasonable diligence.

3. Special Inventories

Special Inventories may be taken whenever there is any sale or change of interest in the Joint Property. It shall be the duty of the party selling to notify all other Parties as quickly as possible after the transfer of interest takes place. In such cases, both the seller and the purchaser shall be governed by such inventory.

4. Expense of Conducting Periodic Inventories

The expense of conducting periodic Inventories shall not be charged to the Joint Account unless agreed to by the Parties.

EXHIBIT "F"

Attached to and made a part of that certain Unit Operating Agreement, Bluit San Andres Unit, County of Roosevelt, State of New Mexico, dated November 1, 1985.

INSURANCE

Unit Operator and Unit Operator's contractors and subcontractors shall, during the drilling and completing of any and all well or wells drilled on the Unit Area and during the performance of all operations, carry the following described minimum insurance coverage on the Unit Area.

- A. Employer's Liability with limit of \$300,000 and Workmen's Compensation Insurance covering Operator's employees and the employees of Operator's contractors and subcontractors engaged in operations under this Agreement, in compliance with the laws of the State where the work is to be performed.
- B. General Public Liability Insurance covering the parties hereto in connection with all operations conducted by Operator or Operator's contractors and subcontractors with Bodily Injury or Death limit of not less than Two Hundred Fifty Thousand Dollars (\$250,000.00) for injury to or death of any one person; not less than Five Hundred Thousand Dollars (\$500,000.00) for injury to or death of more than one person resulting from any one accident and for Property Damage with a limit of not less than Two Hundred Fifty Thousand Dollars (\$250,000.00) for damage to property for each accident; and
- C. Automobile Public Liability and Property Damage Insurance covering the parties hereto in connection with all operations conducted by Operator or Operator's contractors and subcontractors with Bodily Injury or Death limit of not less than Two Hundred Fifty Thousand Dollars (\$250,000.00) for injury to or death of any one person; not less than Five Hundred Thousand Dollars (\$500,000.00) for injury to or death of more than one person resulting from any one accident and for Property Damage with a limit of not less than Two Hundred Fifty Thousand Dollars (\$250,000.00) for damage to property for each accident.
- D. Such additional insurance as may hereafter be deemed necessary by the Unit Operator or as may be required by law.

Unit operator shall require its contractors and subcontractors working and performing services on land committed hereto to carry other insurance of the types specified above and such amounts as the Unit Operator shall deem necessary. All insurance coverage shall be carried at the joint expense and for the benefit of the parties hereto.