A.A.P.L. FORM 610-1982

MODEL FORM OPERATING AGREEMENT

TURNER 7 FEDERAL DEEP #1

OPERATING AGREEMENT

DATED

April 15, , ~~19~~ 2000,

OPERATOR HARVEY E. YATES COMPANY

CONTRACT AREA Township 20 South, Rande 27 East N.M.P.M.

Section 7: N/2

(from 4,000' to 10,540')

COUNTY ~~OR PARISH~~ OF Eddy STATE OF New Mexico

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 12545 Exhibit No. 6
Submitted by:
Harvey E. Yates Company
Hearing Date: November 16, 2000

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OPERATING AGREEMENT

THIS AGREEMENT, entered into by and between HARVEY E. YATES COMPANY P. O. Box 1933, Roswell, New Mexico 88202-1933, hereinafter designated and referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein as "Non Operator", and collectively as "Non-Operators".

WITNESSETH:

WHEREAS, the parties to this agreement are owners of oil and gas leases and/or oil and gas interests in the land identified in Exhibit "A", and the parties hereto have reached an agreement to explore and develop these leases and/or oil and gas interests for the production of oil and gas to the extent and as hereinafter provided,

NOW, THEREFORE, it is agreed as follows:

ARTICLE I.
DEFINITIONS

As used in this agreement, the following words and terms shall have the meanings here ascribed to them:

A. The term "oil and gas" shall mean oil, gas, casinghead gas, gas condensate, and all other liquid or gaseous hydrocarbons and other marketable substances produced therewith, unless an intent to limit the inclusiveness of this term is specifically stated.

B. The terms "oil and gas lease", "lease" and "leasehold" shall mean the oil and gas leases covering tracts of land lying within the Contract Area which are owned by the parties to this agreement.

C. The term "oil and gas interests" shall mean unleased fee and mineral interests in tracts of land lying within the Contract Area which are owned by parties to this agreement.

D. The term "Contract Area" shall mean all of the lands, oil and gas leasehold interests and oil and gas interests intended to be developed and operated for oil and gas purposes under this agreement. Such lands, oil and gas leasehold interests and oil and gas interests are described in Exhibit "A".

E. The term "drilling unit" shall mean the area fixed for the drilling of one well by order or rule of any state or federal body having authority. If a drilling unit is not fixed by any such rule or order, a drilling unit shall be the drilling unit as established by the pattern of drilling in the Contract Area or as fixed by express agreement of the Drilling Parties.

F. The term "drillsite" shall mean the oil and gas lease or interest on which a proposed well is to be located.

G. The terms "Drilling Party" and "Consenting Party" shall mean a party who agrees to join in and pay its share of the cost of any operation conducted under the provisions of this agreement.

H. The terms "Non-Drilling Party" and "Non-Consenting Party" shall mean a party who elects not to participate in a proposed operation.

Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural includes the singular, and the neuter gender includes the masculine and the feminine.

ARTICLE II.
EXHIBITS

The following exhibits, as indicated below and attached hereto, are incorporated in and made a part hereof:

[X] A. Exhibit "A", shall include the following information:
- (1) Identification of lands subject to this agreement,
- (2) Restrictions, if any, as to depths, formations, or substances,
- (3) Percentages or fractional interests of parties to this agreement,
- (4) Oil and gas leases and/or oil and gas interests subject to this agreement,
- (5) Addresses of parties for notice purposes.

[X] B. Exhibit "B", Form of Lease.
[X] C. Exhibit "C", Accounting Procedure.
[X] D. Exhibit "D", Insurance.
[X] E. Exhibit "E", Gas Balancing Agreement.
[X] F. Exhibit "F", Non-Discrimination and Certification of Non-Segregated Facilities.
~~[ ] G. Exhibit "G", Tax Partnership~~.

If any provision of any exhibit, except Exhibit "E" ~~and "G"~~, is inconsistent with any provision contained in the body of this agreement, the provisions in the body of this agreement shall prevail.

ARTICLE III.
INTERESTS OF PARTIES

A. Oil and Gas Interests:

If any party owns an oil and gas interest in the Contract Area, that interest shall be treated for all purposes of this agreement and during the term hereof as if it were covered by the form of oil and gas lease attached hereto as Exhibit "B", and the owner thereof shall be deemed to own both the royalty interest reserved in such lease and the interest of the lessee thereunder.

B. Interests of Parties in Costs and Production:

Unless changed by other provisions, all costs and liabilities incurred in operations under this agreement shall be borne and paid, and all equipment and materials acquired in operations on the Contract Area shall be owned, by the parties as their interests are set forth in Exhibit "A". In the same manner, the parties shall also own all production of oil and gas from the Contract Area subject to the payment of royalties to the extent of 1/8th of 8/8ths which shall be borne as hereinafter set forth.

Regardless of which party has contributed the lease(s) and/or oil and gas interest(s) hereto on which royalty is due and payable, each party entitled to receive a share of production of oil and gas from the Contract Area shall bear and shall pay or deliver, or cause to be paid or delivered, to the extent of its interest in such production, the royalty amount stipulated hereinabove and shall hold the other parties free from any liability therefor. No party shall ever be responsible, however, on a price basis higher than the price received by such party, to any other party's lessor or royalty owner, and if any such other party's lessor or royalty owner should demand and receive settlement on a higher price basis, the party contributing the affected lease shall bear the additional royalty burden attributable to such higher price.

Nothing contained in this Article III.B. shall be deemed an assignment or cross-assignment of interests covered hereby.

C. Excess Royalties, Overriding Royalties and Other Payments:

Unless changed by other provisions, if the interest of any party in any lease covered hereby is subject to any royalty, overriding royalty, production payment or other burden on production in excess of the amount stipulated in Article III.B., such party so burdened shall assume and alone bear all such excess obligations and shall indemnify and hold the other parties hereto harmless from any and all claims and demands for payment asserted by owners of such excess burden.

D. Subsequently Created Interests:

If any party should hereafter create an overriding royalty, production payment or other burden payable out of production attributable to its working interest hereunder, or if such a burden existed prior to this agreement and is not set forth in Exhibit "A", or was not disclosed in writing to all other parties prior to the execution of this agreement by all parties, or is not a jointly acknowledged and accepted obligation of all parties (any such interest being hereinafter referred to as "subsequently created interest" irrespective of the timing of its creation and the party out of whose working interest the subsequently created interest is derived being hereinafter referred to as "burdened party"), and:

1. If the burdened party is required under this agreement to assign or relinquish to any other party, or parties, all or a portion of its working interest and/or the production attributable thereto, said other party, or parties, shall receive said assignment and/or production free and clear of said subsequently created interest and the burdened party shall indemnify and save said other party, or parties, harmless from any and all claims and demands for payment asserted by owners of the subsequently created interest; and,

2. If the burdened party fails to pay, when due, its share of expenses chargeable hereunder, all provisions of Article VII.B. shall be enforceable against the subsequently created interest in the same manner as they are enforceable against the working interest of the burdened party.

ARTICLE IV.
TITLES

A. Title Examination:

Title examination shall be made on the drillsite of any proposed well prior to commencement of drilling operations or, if the Drilling Parties so request, title examination shall be made on the leases and/or oil and gas interests included, or planned to be included, in the drilling unit around such well. The opinion will include the ownership of the working interest, minerals, royalty, overriding royalty and production payments under the applicable leases. At the time a well is proposed, each party contributing leases and/or oil and gas interests to the drillsite, or to be included in such drilling unit, shall furnish to Operator all abstracts (including federal lease status reports), title opinions, title papers and curative material in its possession free of charge. All such information not in the possession of or made available to Operator by the parties, but necessary for the examination of the title, shall be obtained by Operator. Operator shall cause title to be examined by attorneys on its staff or by outside attorneys. Copies of all title opinions shall be furnished to each party hereto. The cost incurred by Operator in this title program shall be borne as follows:

~~☐ Option No. 1: Costs incurred by Operator in procuring abstracts and title examination (including preliminary, supplemental,~~ shut-in gas royalty opinions and division order title opinions) ~~shall be a part of the~~ administrative overhead as provided in Exhibit "C", ~~and shall not be a direct charge, whether performed by Operator's staff attorneys or by outside attorneys.~~

ARTICLE IV
continued

☒ Option No. 2: Costs incurred by Operator in procuring abstracts and fees paid outside attorneys for title examination (including preliminary, supplemental, shut-in gas royalty opinions and division order title opinions) shall be borne by the Drilling Parties in the proportion that the interest of each Drilling Party bears to the total interest of all Drilling Parties as such interests appear in Exhibit "A". Operator shall make no charge for services rendered by its staff attorneys or other personnel in the performance of the above functions.

Each party shall be responsible for securing curative matter and pooling amendments or agreements required in connection with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling designations or declarations as well as the conduct of hearings before governmental agencies for the securing of spacing or pooling orders. This shall not prevent any party from appearing on its own behalf at any such hearing.

No well shall be drilled on the Contract Area until after (1) the title to the drillsite or drilling unit has been examined as above provided, and (2) the title has been approved by the examining attorney or title has been accepted by all of the parties who are to participate in the drilling of the well.

B. Loss of Title:

~~1. Failure of Title: Should any oil and gas interest or lease, or interest therein, be lost through failure of title, which loss results in a~~ reduction of interest from that shown on Exhibit "A", the party contributing the affected lease or interest shall have ninety (90) days from final determination of title failure to acquire a new lease or other instrument curing the entirety of the title failure, which acquisition will not be subject to Article VIII.B., and failing to do so, this agreement, nevertheless, shall continue in force as to all remaining oil and gas leases and interests: and,

(a) The party whose oil and gas lease or interest is affected by the title failure shall bear alone the entire loss and it shall not be entitled to recover from Operator or the other parties any development or operating costs which it may have theretofore paid or incurred, but there shall be no additional liability on its part to the other parties hereto by reason of such title failure;

(b) There shall be no retroactive adjustment of expenses incurred or revenues received from the operation of the interest which has been lost, but the interests of the parties shall be revised on an acreage basis, as of the time it is determined finally that title failure has occurred, so that the interest of the party whose lease or interest is affected by the title failure will thereafter be reduced in the Contract Area by the amount of the interest lost;

(c) If the proportionate interest of the other parties hereto in any producing well theretofore drilled on the Contract Area is increased by reason of the title failure, the party whose title has failed shall receive the proceeds attributable to the increase in such interest (less costs and burdens attributable thereto) until it has been reimbursed for unrecovered costs paid by it in connection with such well;

(d) Should any person not a party to this agreement, who is determined to be the owner of any interest in the title which has failed, pay in any manner any part of the cost of operation, development, or equipment, such amount shall be paid to the party or parties who bore the costs which are so refunded;

(e) Any liability to account to a third party for prior production of oil and gas which arises by reason of title failure shall be borne by the party or parties whose title failed in the same proportions in which they shared in such prior production; and,

(f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest claimed by any party hereto, it being the intention of the parties hereto that each shall defend title to its interest and bear all expenses in connection therewith.

2. Loss by Non-Payment or Erroneous Payment of Amount Due: If, through mistake or oversight, any rental, shut-in well payment, minimum royalty or royalty payment, is not paid or is erroneously paid, and as a result a lease or interest therein terminates, there shall be no monetary liability against the party who failed to make such payment. Unless the party who failed to make the required payment secures a new lease covering the same interest within ninety (90) days from the discovery of the failure to make proper payment, which acquisition will not be subject to Article VIII.B., the interests of the parties shall be revised on an acreage basis, effective as of the date of termination of the lease involved, and the party who failed to make proper payment will no longer be credited with an interest in the Contract Area on account of ownership of the lease or interest which has terminated. In the event the party who failed to make the required payment shall not have been fully reimbursed, at the time of the loss, from the proceeds of the sale of oil and gas attributable to the lost interest, calculated on an acreage basis, for the development and operating costs theretofore paid on account of such interest, it shall be reimbursed for unrecovered actual costs theretofore paid by it (but not for its share of the cost of any dry hole previously drilled or wells previously abandoned) from so much of the following as is necessary to effect reimbursement:

(a) Proceeds of oil and gas, less operating expenses, theretofore accrued to the credit of the lost interest, on an acreage basis, up to the amount of unrecovered costs;

(b) Proceeds, less operating expenses, thereafter accrued attributable to the lost interest on an acreage basis, of that portion of oil and gas thereafter produced and marketed (excluding production from any wells thereafter drilled) which, in the absence of such lease termination, would be attributable to the lost interest on an acreage basis, up to the amount of unrecovered costs, the proceeds of said portion of the oil and gas to be contributed by the other parties in proportion to their respective interests; and,

(c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or becomes, the owner of the interest ~~lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.~~

Losses: All losses incurred, shall be joint losses and shall be borne by all parties in proportion to their interests. There shall be no readjustment of interests in the remaining portion of the Contract Area.

ARTICLE V.
OPERATOR

A. Designation and Responsibilities of Operator:

_____________HARVEY E. YATES COMPANY_____________ shall be the Operator of the Contract Area, and shall conduct and direct and have full control of all operations on the Contract Area as permitted and required by, and within the limits of this agreement. It shall conduct all such operations in a good and workmanlike manner, but it shall have no liability as Operator to the other parties for losses sustained or liabilities incurred, except such as may result from gross negligence or willful misconduct.

B. Resignation or Removal of Operator and Selection of Successor:

1. Resignation or Removal of Operator: Operator may resign at any time by giving written notice thereof to Non-Operators. If Operator* terminates its legal existence, becomes bankrupt, insolvent or is placed in receivership, no longer owns an interest hereunder in the Contract Area, or is no longer capable of serving as Operator, Operator shall be deemed to have resigned without any action by Non-Operators, except the selection of a successor. Operator may be removed if it fails or refuses to carry out its duties hereunder, or becomes insolvent, bankrupt or is placed in receivership, by the affirmative vote of two (2) or more Non-Operators owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of Operator. Such resignation or removal shall not become effective until 7:00 o'clock A.M. on the first day of the calendar month following the expiration of ninety (90) days after the giving of notice of resignation by Operator or action by the Non-Operators to remove Operator, unless a successor Operator has been selected and assumes the duties of Operator at an earlier date. Operator, after effective date of resignation or removal, shall be bound by the terms hereof as a Non-Operator. A change of a corporate name or structure of Operator or transfer of Operator's interest to any single subsidiary, parent or successor corporation shall not be the basis for removal of Operator.

*or its wholly-owned subsidiary

2. Selection of Successor Operator: Upon the resignation or removal of Operator, a successor Operator shall be selected by the parties. The successor Operator shall be selected from the parties owning an interest in the Contract Area at the time such successor Operator is selected. The successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A"; provided, however, if an Operator which has been removed fails to vote or votes only to succeed itself, the successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of the Operator that was removed.

C. Employees:

The number of employees used by Operator in conducting operations hereunder, their selection, and the hours of labor and the compensation for services performed shall be determined by Operator, and all such employees shall be the employees of Operator.

D. Drilling Contracts:

All wells drilled on the Contract Area shall be drilled on a competitive contract basis at the usual rates prevailing in the area. If it so desires, Operator may employ its own tools and equipment in the drilling of wells, but its charges therefor shall not exceed the prevailing rates in the area and the rate of such charges shall be agreed upon by the parties in writing before drilling operations are commenced, and such work shall be performed by Operator under the same terms and conditions as are customary and usual in the area in contracts of independent contractors who are doing work of a similar nature.

ARTICLE VI.
DRILLING AND DEVELOPMENT

A. Initial Well:

On or before the 31st day of December, 2000, Operator shall commence operations for ~~the drilling of~~ a well for oil and gas at the following location:

T-20 South, Range 27 East, N.M.P.M.

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and shall thereafter continue the drilling of the well with due diligence to a depth adequate to test the Morrow formation, or to a depth of 10,450 feet, whichever is shallower,

unless granite or other practically impenetrable substance or condition in the hole, which renders further drilling impractical, is encountered at a lesser depth, or unless all parties agree to complete or abandon the well at a lesser depth. **

Operator shall make reasonable tests of all formations encountered during drilling which give indication of containing oil and gas in quantities sufficient to test, unless this agreement shall be limited in its application to a specific formation or formations, in which event Operator shall be required to test only the formation or formations to which this agreement may apply.

**Operator's only liability for failure to commence said test shall be the ipso facto termination of this agreement.

ARTICLE VI
continued

If, in Operator's judgment, the well will not produce oil or gas in paying quantities, and it wishes to plug and abandon the well as a dry hole, the provisions of Article VI.E.1. shall thereafter apply.

B. Subsequent Operations:

1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area other than the well provided for in Article VI.A., or to rework, deepen or plug back a dry hole drilled at the joint expense of all parties or a well jointly owned by all the parties and not then producing in paying quantities, the party desiring to drill, rework, deepen or plug back such a well shall give the other parties written notice of the proposed operation, specifying the work to be performed, the location, proposed depth, objective formation and the estimated cost of the operation. The parties receiving such a notice shall have thirty (30) days after receipt of the notice within which to notify the party wishing to do the work whether they elect to participate in the cost of the proposed operation. If a drilling rig is on location, notice of a proposal to rework, plug back or drill deeper may be given by telephone and the response period shall be limited to forty-eight (48) hours, ~~exclusive of Saturday, Sunday and legal holidays~~. Failure of a party receiving such notice to reply within the period above fixed shall constitute an election by that party not to participate in the cost of the proposed operation. Any notice or response given by telephone shall be promptly confirmed in writing.

If all parties elect to participate in such a proposed operation, Operator shall, within ninety (90) days after expiration of the notice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is on location, as the case may be), actually commence the proposed operation and complete it with due diligence at the risk and expense of all parties hereto; provided, however, said commencement date may be extended upon written notice of same by Operator to the other parties, for a period of up to thirty (30) additional days if, in the sole opinion of Operator, such additional time is reasonably necessary to obtain permits from governmental authorities, surface rights (including rights-of-way) or appropriate drilling equipment, or to complete title examination or curative matter required for title approval or acceptance. Notwithstanding the force majeure provisions of Article XI, if the actual operation has not been commenced within the time provided (including any extension thereof as specifically permitted herein) and if any party hereto still desires to conduct said operation, written notice proposing same must be resubmitted to the other parties in accordance with the provisions hereof as if no prior proposal had been made.

2. Operations by Less than All Parties: If any party receiving such notice as provided in Article VI.B.1. or VII.D.1. (Option No. 2) elects not to participate in the proposed operation, then, in order to be entitled to the benefits of this Article, the party or parties giving the notice and such other parties as shall elect to participate in the operation shall, within ninety (90) days after the expiration of the notice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is on location, as the case may be) actually commence the proposed operation and complete it with due diligence. Operator shall perform all work for the account of the Consenting Parties; provided, however, if no drilling rig or other equipment is on location, and if Operator is a Non-Consenting Party, the Consenting Parties shall either: (a) request Operator to perform the work required by such proposed operation for the account of the Consenting Parties, or (b) designate one (1) of the Consenting Parties as Operator to perform such work. Consenting Parties, when conducting operations on the Contract Area pursuant to this Article VI.B.2., shall comply with all terms and conditions of this agreement.

If less than all parties approve any proposed operation, the proposing party, immediately after the expiration of the applicable notice period, shall advise the Consenting Parties of the total interest of the parties approving such operation and its recommendation as to whether the Consenting Parties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48) hours ~~(exclusive of Saturday, Sunday and legal holidays)~~ after receipt of such notice, shall advise the proposing party of its desire to (a) limit participation to such party's interest as shown on Exhibit "A" or (b) carry its proportionate part of Non-Consenting Parties' interests, and failure to advise the proposing party shall be deemed an election under (a). In the event a drilling rig is on location, the time permitted for such a response shall not exceed a total of forty-eight (48) hours (inclusive of Saturday, Sunday and legal holidays). The proposing party, at its election, may withdraw such proposal if there is insufficient participation and shall promptly notify all parties of such decision.

The entire cost and risk of conducting such operations shall be borne by the Consenting Parties in the proportions they have elected to bear same under the terms of the preceding paragraph. Consenting Parties shall keep the leasehold estates involved in such operations free and clear of all liens and encumbrances of every kind created by or arising from the operations of the Consenting Parties. If such an operation results in a dry hole, the Consenting Parties shall plug and abandon the well and restore the surface location at their sole cost, risk and expense. If any well drilled, reworked, deepened or plugged back under the provisions of this Article results in a producer of oil and/or gas in paying quantities, the Consenting Parties shall complete and equip the well to produce at their sole cost and risk,

ARTICLE VI
continued

and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Parties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties in accordance with the provisions of this Article, each Non-Consenting Party shall be deemed to have relinquished to Consenting Parties, and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting Party's interest in the well and share of production therefrom until the proceeds of the sale of such share, calculated at the well, or market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other interests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest until it reverts) shall equal the total of the following:

(a) 125% of each such Non-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead connections (including, but not limited to, stock tanks, separators, treaters, pumping equipment and piping), plus 100% of each such Non-Consenting Party's share of the cost of operation of the well commencing with first production and continuing until each such Non-Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that each Non-Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-Consenting Party had it participated in the well from the beginning of the operations; and

(b) 300 % of that portion of the costs and expenses of drilling, reworking, deepening, plugging back, testing and completing, after deducting any cash contributions received under Article VIII.C., and 300 % of that portion of the cost of newly acquired equipment in the well (to and including the wellhead connections), which would have been chargeable to such Non-Consenting Party if it had participated therein.

An election not to participate in the drilling or the deepening of a well shall be deemed an election not to participate in any reworking or plugging back operation proposed in such a well, or portion thereof, to which the initial Non-Consent election applied that is conducted at any time prior to full recovery by the Consenting Parties of the Non-Consenting Party's recoupment account. Any such reworking or plugging back operation conducted during the recoupment period shall be deemed part of the cost of operation of said well and there shall be added to the sums to be recouped by the Consenting Parties one hundred percent (100%) of that portion of the costs of the reworking or plugging back operation which would have been chargeable to such Non-Consenting Party had it participated therein. If such a reworking or plugging back operation is proposed during such recoupment period, the provisions of this Article VI.B. shall be applicable as between said Consenting Parties in said well.

During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share of production, or the proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other taxes, and all royalty, overriding royalty and other burdens applicable to Non-Consenting Party's share of production not excepted by Article III.D.

In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free of cost, all casing, tubing and other equipment in the well, but the ownership of all such equipment shall remain unchanged; and upon abandonment of a well after such reworking, plugging back or deeper drilling, the Consenting Parties shall account for all such equipment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.

Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the Consenting Parties shall furnish each Non-Consenting Party with an inventory of the equipment in and connected to the well, and an itemized statement of the cost of drilling, deepening, plugging back, testing, completing, and equipping the well for production; or, at its option, the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed statement of monthly billings. Each month thereafter, during the time the Consenting Parties are being reimbursed as provided above, the party conducting the operations for the Consenting Parties shall furnish the Non-Consenting Parties with an itemized statement of all costs and liabilities incurred in the operation of the well, together with a statement of the quantity of oil and gas produced from it and the amount of proceeds realized from the sale of the well's working interest production during the preceding month. In determining the quantity of oil and gas produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as above provided; and if there is a credit balance, it shall be paid to such Non-Consenting Party.

ARTICLE VI
continued

If and when the Consenting Parties recover from a Non-Consenting Party's relinquished interest the amounts provided for above, the relinquished interests of such Non-Consenting Party shall automatically revert to it, and, from and after such reversion, such Non-Consenting Party shall own the same interest in such well, the material and equipment in or pertaining thereto, and the production therefrom as such Non-Consenting Party would have been entitled to had it participated in the drilling, reworking, deepening or plugging back of said well. Thereafter, such Non-Consenting Party shall be charged with and shall pay its proportionate part of the further costs of the operation of said well in accordance with the terms of this agreement and the Accounting Procedure attached hereto.

Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the mutual consent of all parties, no wells shall be completed in or produced from a source of supply from which a well located elsewhere on the Contract Area is producing, unless such well conforms to the then-existing well spacing pattern for such source of supply.

The provisions of this Article shall have no application whatsoever to the drilling of the initial well described in Article VI.A. except (a) as to Article VII.D.1. (Option No. 2), if selected, or (b) as to the reworking, deepening and plugging back of such initial well after it has been drilled to the depth specified in Article VI.A. if it shall thereafter prove to be a dry hole or, if initially completed for production, ceases to produce in paying quantities.

3. Stand-By Time: When a well which has been drilled or deepened has reached its authorized depth and all tests have been completed, and the results thereof furnished to the parties, stand-by costs incurred pending response to a party's notice proposing a reworking, deepening, plugging back or completing operation in such a well shall be charged and borne as part of the drilling or deepening operation just completed. Stand-by costs subsequent to all parties responding, or expiration of the response time permitted, whichever first occurs, and prior to agreement as to the participating interests of all Consenting Parties pursuant to the terms of the second grammatical paragraph of Article VI.B.2, shall be charged to and borne as part of the proposed operation, but if the proposal is subsequently withdrawn because of insufficient participation, such stand-by costs shall be allocated between the Consenting Parties in the proportion each Consenting Party's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all Consenting Parties.

4. Sidetracking: Except as hereinafter provided, those provisions of this agreement applicable to a "deepening" operation shall also be applicable to any proposal to directionally control and intentionally deviate a well from vertical so as to change the bottom hole location (herein called "sidetracking"), unless done to straighten the hole or to drill around junk in the hole or because of other mechanical difficulties. Any party having the right to participate in a proposed sidetracking operation that does not own an interest in the affected well bore at the time of the notice shall, upon electing to participate, tender to the well bore owners its proportionate share (equal to its interest in the sidetracking operation) of the value of that portion of the existing well bore to be utilized as follows:

(a) If the proposal is for sidetracking an existing dry hole, reimbursement shall be on the basis of the actual costs incurred in the initial drilling of the well down to the depth at which the sidetracking operation is initiated.

(b) If the proposal is for sidetracking a well which has previously produced, reimbursement shall be on the basis of the well's salvable materials and equipment down to the depth at which the sidetracking operation is initiated, determined in accordance with the provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning.

In the event that notice for a sidetracking operation is given while the drilling rig to be utilized is on location, the response period shall be limited to forty-eight (48) hours, exclusive of Saturday, Sunday and legal holidays; provided, however, any party may request and receive up to eight (8) additional days after expiration of the forty-eight (48) hours within which to respond by paying for all stand-by time incurred during such extended response period. If more than one party elects to take such additional time to respond to the notice, stand-by costs shall be allocated between the parties taking additional time to respond on a day-to-day basis in the proportion each electing party's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all the electing parties. In all other instances the response period to a proposal for sidetracking shall be limited to thirty (30) days.

C. TAKING PRODUCTION IN KIND:

Each party shall take in kind or separately dispose of its proportionate share of all oil and gas produced from the Contract Area, exclusive of production which may be used in development and producing operations and in preparing and treating oil and gas for marketing purposes and production unavoidably lost. Any extra expenditure incurred in the taking in kind or separate disposition by any party of its proportionate share of the production shall be borne by such party. Any party taking its share of production in kind shall be

ARTICLE VI
continued

required to pay for only its proportionate share of such part of Operator's surface facilities which it uses.

Each party shall execute such division orders and contracts as may be necessary for the sale of its interest in production from the Contract Area, and, except as provided in Article VII.B., shall be entitled to receive payment directly from the purchaser thereof for its share of all production.

In the event any party shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of the oil produced from the Contract Area, Operator shall have the right, subject to the revocation at will by the party owning it, but not the obligation, to purchase such oil or sell it to others at any time and from time to time, for the account of the non-taking party at the best price obtainable in the area for such production. Any such purchase or sale by Operator shall be subject always to the right of the owner of the production to exercise at any time its right to take in kind, or separately dispose of, its share of all oil not previously delivered to a purchaser. Any purchase or sale by Operator of any other party's share of oil shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the particular circumstances, but in no event for a period in excess of one (1) year.

In the event one or more parties' separate disposition of its share of the gas causes split-stream deliveries to separate pipelines and/or deliveries which on a day-to-day basis for any reason are not exactly equal to a party's respective proportionate share of total gas sales to be allocated to it, the balancing or accounting between the respective accounts of the parties shall be in accordance with any gas balancing agreement between the parties hereto, whether such an agreement is attached as Exhibit "E", or is a separate agreement.

D. Access to Contract Area and Information:

Each party shall have access to the Contract Area at all reasonable times, at its sole cost and risk to inspect or observe operations, and shall have access at reasonable times to information pertaining to the development or operation thereof, including Operator's books and records relating thereto. Operator, upon request, shall furnish each of the other parties with copies of all forms or reports filed with governmental agencies, daily drilling reports, well logs, tank tables, daily gauge and run tickets and reports of stock on hand at the first of each month, and shall make available samples of any cores or cuttings taken from any well drilled on the Contract Area. The cost of gathering and furnishing information to Non-Operator, other than that specified above, shall be charged to the Non-Operator that requests the information.

E. Abandonment of Wells:

1. Abandonment of Dry Holes: Except for any well drilled or deepened pursuant to Article VI.B.2., any well which has been drilled or deepened under the terms of this agreement and is proposed to be completed as a dry hole shall not be plugged and abandoned without the consent of all parties. Should Operator, after diligent effort, be unable to contact any party, or should any party fail to reply within forty-eight (48) hours ~~(exclusive of Saturday, Sunday and legal holidays)~~ after receipt of notice of the proposal to plug and abandon such well, such party shall be deemed to have consented to the proposed abandonment. All such wells shall be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of the parties who participated in the cost of drilling or deepening such well. Any party who objects to plugging and abandoning such well shall have the right to take over the well and conduct further operations in search of oil and/or gas subject to the provisions of Article VI.B.

2. Abandonment of Wells that have Produced: Except for any well in which a Non-Consent operation has been conducted hereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a producer shall not be plugged and abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within thirty (30) days after receipt of notice of the proposed abandonment of any well, all parties do not agree to the abandonment of such well, those wishing to continue its operation from the interval(s) of the formation(s) then open to production shall tender to each of the other parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. Each abandoning party shall assign the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and material, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the interval or intervals of the formation or formations then open to production. If the interest of the abandoning party is or includes an oil and gas interest, such party shall execute and deliver to the non-abandoning party or parties an oil and gas lease, limited to the interval or intervals of the formation or formations then open to production, for a term of one (1) year and so long thereafter as oil and/or gas is produced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit

ARTICLE VI
continued

"B". The assignments or leases so limited shall encompass the "drilling unit" upon which the well is located. The payments by, and the assignments or leases to, the assignees shall be in a ratio based upon the relationship of their respective percentage of participation in the Contract Area to the aggregate of the percentages of participation in the Contract Area of all assignees. There shall be no readjustment of interests in the remaining portion of the Contract Area.

Thereafter, abandoning parties shall have no further responsibility, liability, or interest in the operation of or production from the well in the interval or intervals then open other than the royalties retained in any lease made under the terms of this Article. Upon request, Operator shall continue to operate the assigned well for the account of the non-abandoning parties at the rates and charges contemplated by this agreement, plus any additional cost and charges which may arise as the result of the separate ownership of the assigned well. Upon proposed abandonment of the producing interval(s) assigned or leased, the assignor or lessor shall then have the option to repurchase its prior interest in the well (using the same valuation formula) and participate in further operations therein subject to the provisions hereof.

3. Abandonment of Non-Consent Operations: The provisions of Article VI.E.1. or VI.E.2. above shall be applicable as between Consenting Parties in the event of the proposed abandonment of any well excepted from said Articles; provided, however, no well shall be permanently plugged and abandoned unless and until all parties having the right to conduct further operations therein have been notified of the proposed abandonment and afforded the opportunity to elect to take over the well in accordance with the provisions of this Article VI.E.

ARTICLE VII.
EXPENDITURES AND LIABILITY OF PARTIES

A. Liability of Parties:

The liability of the parties shall be several, not joint or collective. Each party shall be responsible only for its obligations, and shall be liable only for its proportionate share of the costs of developing and operating the Contract Area. Accordingly, the liens granted among the parties in Article VII.B. are given to secure only the debts of each severally. It is not the intention of the parties to create, nor shall this agreement be construed as creating, a mining or other partnership or association, or to render the parties liable as partners.

B. Liens and Payment Defaults:

Each Non-Operator grants to Operator a lien upon its oil and gas rights in the Contract Area, and a security interest in its share of oil and/or gas when extracted and its interest in all equipment, to secure payment of its share of expense, together with interest thereon at the rate provided in Exhibit "C". To the extent that Operator has a security interest under the Uniform Commercial Code of the state, 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 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 Non-Operator in the payment of its share of expense, Operator shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from the sale of such Non-Operator's share of oil and/or gas until the amount owed by such Non-Operator, to include interest on the deficiency and, if suit is brought to collect any deficiency, reasonable attorney's fees have been paid. Each purchaser shall be entitled to rely upon Operator's written statement concerning the amount of the default. Operator grants a like lien and security interest to the Non-Operators to secure payment of Operator's proportionate share of expense.

If any party fails or is unable to pay its share of expense within sixty (60) days after rendition of a statement therefor by Operator, the non-defaulting parties, including Operator, shall, upon request by Operator, pay the unpaid amount in the proportion that the interest of each such party bears to the interest of all such parties. Each party so paying its share of the unpaid amount shall, to obtain reimbursement thereof, be subrogated to the security rights described in the foregoing paragraph.

C. Payments and Accounting:

Except as herein otherwise specifically provided, Operator shall promptly pay and discharge expenses incurred in the development and operation of the Contract Area pursuant to this agreement and shall charge each of the parties hereto with their respective proportionate shares upon the expense basis provided in Exhibit "C". Operator shall keep an accurate record of the joint account hereunder, showing expenses incurred and charges and credits made and received.

Operator, at its election, shall have the right from time to time to demand and receive from the other parties payment in advance of their respective shares of the estimated amount of the expense to be incurred in operations hereunder during the next succeeding month, which right may be exercised only by submission to each such party of an itemized statement of such estimated expense, together with an invoice for its share thereof. Each such statement and invoice for the payment in advance of estimated expense shall be submitted on or before the 20th day of the next preceding month. Each party shall pay to Operator its proportionate share of such estimate within fifteen (15) days after such estimate and invoice is received. If any party fails to pay its share of said estimate within said time, the amount due shall bear interest as provided in Exhibit "C" until paid. Proper adjustment shall be made monthly between advances and actual expense to the end that each party shall bear and pay its proportionate share of actual expenses incurred, and no more.

D. Limitation of Expenditures:

1. Drill or Deepen: Without the consent of all parties, no well shall be drilled or deepened, except any well drilled or deepened pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the drilling or deepening shall include:

ARTICLE VII
continued

☐ ~~Option No. 1: All necessary expenditures for the drilling or deepening, testing, completing and equipping of the well, including necessary tankage and/or surface facilities.~~

☒ Option No. 2: All necessary expenditures for the drilling or deepening and testing of the well. When such well has reached its authorized depth, and all tests have been completed, and the results thereof furnished to the parties, Operator shall give immediate notice to the Non-Operators who have the right to participate in the completion costs. The parties receiving such notice shall have forty-eight (48) hours ~~(exclusive of Saturday, Sunday and legal holidays)~~ in which to elect to participate in the setting of casing and the completion attempt. Such election, when made, shall include consent to all necessary expenditures for the completing and equipping of such well, including necessary tankage and/or surface facilities. Failure of any party receiving such notice to reply within the period above fixed shall constitute an election by that party not to participate in the cost of the completion attempt. If one or more, but less than all of the parties, elect to set pipe and to attempt a completion, the provisions of Article VI.B.2. hereof (the phrase "reworking, deepening or plugging back" as contained in Article VI.B.2. shall be deemed to include "completing") shall apply to the operations thereafter conducted by less than all parties.

2. Rework or Plug Back: Without the consent of all parties, no well shall be reworked or plugged back except a well reworked or plugged back pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the reworking or plugging back of a well shall include all necessary expenditures in conducting such operations and completing and equipping of said well, including necessary tankage and/or surface facilities.

3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated to require an expenditure in excess of thirty thousand Dollars ($ 30,000.00) except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other parties. If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting an information copy thereof for any single project costing in excess of twenty-five thousand Dollars ($ 25,000.00) but less than the amount first set forth above in this paragraph.

E. Rentals, Shut-in Well Payments and Minimum Royalties:

Rentals, shut-in well payments and minimum royalties which may be required under the terms of any lease shall be paid by the party or parties who subjected such lease to this agreement at its or their expense. In the event two or more parties own and have contributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on behalf of all such parties. Any party may request, and shall be entitled to receive, proper evidence of all such payments. In the event of failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such payment is required to continue the lease in force, any loss which results from such non-payment shall be borne in accordance with the provisions of Article IV.B.3.

Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shutting in or return to production of a producing gas well, at least five (5) days (excluding Saturday, Sunday and legal holidays), or at the earliest opportunity permitted by circumstances, prior to taking such action, but assumes no liability for failure to do so. In the event of failure by Operator to so notify Non-Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments of any shut-in well payment shall be borne jointly by the parties hereto under the provisions of Article IV.B.3.

F. Taxes:

Beginning with the first calendar year after the effective date hereof, Operator shall render for ad valorem taxation all property subject to this agreement which by law should be rendered for such taxes, and it shall pay all such taxes assessed thereon before they become delinquent. Prior to the rendition date, each Non-Operator shall furnish Operator information as to burdens (to include, but not be limited to, royalties, overriding royalties and production payments) on leases and oil and gas interests contributed by such Non-Operator. If the assessed valuation of any leasehold estate is reduced by reason of its being subject to outstanding excess royalties, overriding royalties or production payments, the reduction in ad valorem taxes resulting therefrom shall inure to the benefit of the owner or owners of such leasehold estate, and Operator shall adjust the charge to such owner or owners so as to reflect the benefit of such reduction. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding anything to the contrary herein, charges to the joint account shall be made and paid by the parties hereto in accordance with the tax value generated by each party's working interest. Operator shall bill the other parties for their proportionate shares of all tax payments in the manner provided in Exhibit "C".

If Operator considers any tax assessment improper, Operator may, at its discretion, protest within the time and manner prescribed by law, and prosecute the protest to a final determination, unless all parties agree to abandon the protest prior to final determination. During the pendency of administrative or judicial proceedings, Operator may elect to pay, under protest, all such taxes and any interest and penalty. When any such protested assessment shall have been finally determined, Operator shall pay the tax for the joint account, together with any interest and penalty accrued, and the total cost shall then be assessed against the parties, and be paid by them, as provided in Exhibit "C".

Each party shall pay or cause to be paid all production, severance, excise, gathering and other taxes imposed upon or with respect to the production or handling of such party's share of oil and/or gas produced under the terms of this agreement.

ARTICLE VII
continued

G. *Insurance:*

At all times while operations are conducted hereunder, Operator shall comply with the workmen's compensation law of the state where the operations are being conducted; provided, however, that Operator may be a self-insurer for liability under said compensation laws in which event the only charge that shall be made to the joint account shall be as provided in Exhibit "C". Operator shall also carry or provide insurance for the benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a part hereof. Operator shall require all contractors engaged in work on or for the Contract Area to comply with the workmen's compensation law of the state where the operations are being conducted and to maintain such other insurance as Operator may require.

In the event automobile public liability insurance is specified in said Exhibit "D", or subsequently receives the approval of the parties, no direct charge shall be made by Operator for premiums paid for such insurance for Operator's automotive equipment.

ARTICLE VIII.
ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST

A. *Surrender of Leases:*

The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall not be surrendered in whole or in part unless all parties consent thereto.

However, should any party desire to surrender its interest in any lease or in any portion thereof, and the other parties do not agree or consent thereto, the party desiring to surrender shall assign, without express or implied warranty of title, all of its interest in such lease, or portion thereof, and any well, material and equipment which may be located thereon and any rights in production thereafter secured, to the parties not consenting to such surrender. If the interest of the assigning party is or includes an oil and gas interest, the assigning party shall execute and deliver to the party or parties not consenting to such surrender an oil and gas lease covering such oil and gas interest for a term of one (1) year and so long thereafter as oil and/or gas is produced from the land covered thereby, such lease to be on the form attached hereto as Exhibit "B". Upon such assignment or lease, the assigning party shall be relieved from all obligations thereafter accruing, but not theretofore accrued, with respect to the interest assigned or leased and the operation of any well attributable thereto, and the assigning party shall have no further interest in the assigned or leased premises and its equipment and production other than the royalties retained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the party assignor or lessor the reasonable salvage value of the latter's interest in any wells and equipment attributable to the assigned or leased acreage. The value of all material shall be determined in accordance with the provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. If the assignment or lease is in favor of more than one party, the interest shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.

Any assignment, lease or surrender made under this provision shall not reduce or change the assignor's, lessor's or surrendering party's interest as it was immediately before the assignment, lease or surrender in the balance of the Contract Area; and the acreage assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this agreement.

B. Renewal or Extension of Leases:

If any party secures a renewal of any oil and gas lease subject to this agreement, all other parties shall be notified promptly, and shall have the right for a period of thirty (30) days following receipt of such notice in which to elect to participate in the ownership of the renewal lease, insofar as such lease affects lands within the Contract Area, by paying to the party who acquired it their several proper proportionate shares of the acquisition cost allocated to that part of such lease within the Contract Area, which shall be in proportion to the interests held at that time by the parties in the Contract Area.

If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it shall be owned by the parties who elect to participate therein, in a ratio based upon the relationship of their respective percentage of participation in the Contract Area to the aggregate of the percentages of participation in the Contract Area of all parties participating in the purchase of such renewal lease. Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.

Each party who participates in the purchase of a renewal lease shall be given an assignment of its proportionate interest therein by the acquiring party.

The provisions of this Article shall apply to renewal leases whether they are for the entire interest covered by the expiring lease or cover only a portion of its area or an interest therein. Any renewal lease taken before the expiration of its predecessor lease, or taken or contracted for within six (6) months after the expiration of the existing lease shall be subject to this provision; but any lease taken or contracted for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal lease and shall not be subject to the provisions of this agreement.

The provisions in this Article shall also be applicable to extensions of oil and gas leases.

C. *Acreage or Cash Contributions:*

While this agreement is in force, if any party contracts for a contribution of cash towards the drilling of a well or any other operation on the Contract Area, such contribution shall be paid to the party who conducted the drilling or other operation and shall be applied by it against the cost of such drilling or other operation. If the contribution be in the form of acreage, the party to whom the contribution is made shall promptly tender an assignment of the acreage, without warranty of title, to the Drilling Parties in the proportions

ARTICLE VIII
continued

said Drilling Parties shared the cost of drilling the well. Such acreage shall become a separate Contract Area and, to the extent possible, be governed by provisions identical to this agreement. Each party shall promptly notify all other parties of any acreage or cash contributions it may obtain in support of any well or any other operation on the Contract Area. The above provisions shall also be applicable to optional rights to earn acreage outside the Contract Area which are in support of a well drilled inside the Contract Area.

If any party contracts for any consideration relating to disposition of such party's share of substances produced hereunder, such consideration shall not be deemed a contribution as contemplated in this Article VIII.C.

D. Maintenance of Uniform Interest:

For the purpose of maintaining uniformity of ownership in the oil and gas leasehold interests covered by this agreement, no party shall sell, encumber, transfer or make other disposition of its interest in the leases embraced within the Contract Area and in wells, equipment and production unless such disposition covers either:

1. the entire interest of the party in all leases and equipment and production; or

2. an equal undivided interest in all leases and equipment and production in the Contract Area.

Every such sale, encumbrance, transfer or other disposition made by any party shall be made expressly subject to this agreement and shall be made without prejudice to the right of the other parties.

If, at any time the interest of any party is divided among and owned by four or more co-owners, Operator, at its discretion, may require such co-owners to appoint a single trustee or agent with full authority to receive notices, approve expenditures, receive billings for and approve and pay such party's share of the joint expenses, and to deal generally with, and with power to bind, the co-owners of such party's interest within the scope of the operations embraced in this agreement; however, all such co-owners shall have the right to enter into and execute all contracts or agreements for the disposition of their respective shares of the oil and gas produced from the Contract Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

E. Waiver of Rights to Partition:

If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an undivided interest in the Contract Area waives any and all rights it may have to partition and have set aside to it in severalty its undivided interest therein.

~~F. Preferential Right to Purchase:~~

Should any party desire to sell all or any part of its interests under this agreement, or its rights and interests in the Contract Area, it shall promptly give written notice to the other parties, with full information concerning its proposed sale, which shall include the name and address of the prospective purchaser (who must be ready, willing and able to purchase), the purchase price, and all other terms of the offer. The other parties shall then have an optional prior right, for a period of ten (10) days after receipt of the notice, to purchase on the same terms and conditions the interest which the other party proposes to sell; and, if this optional right is exercised, the purchasing parties shall share the purchased interest in the proportions that the interest of each bears to the total interest of all purchasing parties. However, there shall be no preferential right to purchase in those cases where any party wishes to mortgage its interests, or to dispose of its interests by merger, reorganization, consolidation, or sale of all or substantially all of its assets to a subsidiary or parent company ~~or to a subsidiary of a parent company, or to any company in which any one party owns a majority of the stock.~~

ARTICLE IX.
INTERNAL REVENUE CODE ELECTION

This agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association for profit between or among the parties hereto. Notwithstanding any provision herein that the rights and liabilities 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, each party hereby affected 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. Operator is authorized and directed to execute on behalf of each party hereby affected 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. Should there be any requirement that each party hereby affected give further evidence of this election, each such party shall 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. No such party shall 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 Contract Area is located or any future income tax laws 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 party hereby affected shall make such election as may be permitted or required by such laws. In making the foregoing election, each such party states that the income derived by such party from operations hereunder can be adequately determined without the computation of partnership taxable income.

ARTICLE X.
CLAIMS AND LAWSUITS

Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure does not exceed ten thousand Dollars ($ 10,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim or suit involving operations hereunder. All claims or suits involving title to any interest subject to this agreement shall be treated as a claim or a suit against all parties hereto.

ARTICLE XI.
FORCE MAJEURE

If any party is rendered unable, wholly or in part, by force majeure to carry out its obligations under this agreement, other than the obligation to make money payments, that party shall give to all other parties prompt written notice of the force majeure with reasonably full particulars concerning it; thereupon, the obligations of the party giving the notice, so far as they are affected by the force majeure, shall be suspended during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable diligence to remove the force majeure situation as quickly as practicable.

The requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes, lockouts, or other labor difficulty by the party involved, contrary to its wishes; how all such difficulties shall be handled shall be entirely within the discretion of the party concerned.

The term "force majeure", as here employed, shall mean an act of God, strike, lockout, or other industrial disturbance, act of the public enemy, war, blockade, public riot, lightning, fire, storm, flood, explosion, governmental action, governmental delay, restraint or inaction, unavailability of equipment, and any other cause, whether of the kind specifically enumerated above or otherwise, which is not reasonably within the control of the party claiming suspension.

ARTICLE XII.
NOTICES

All notices authorized or required between the parties and required by any of the provisions of this agreement, unless otherwise specifically provided, shall be given in writing by mail or telegram, postage or charges prepaid, or by telex or telecopier and addressed to the parties to whom the notice is given at the addresses listed on Exhibit "A". The originating notice given under any provision hereof shall be deemed given only when received by the party to whom such notice is directed, and the time for such party to give any notice in response thereto shall run from the date the originating notice is received. The second or any responsive notice shall be deemed given when deposited in the mail or with the telegraph company, with postage or charges prepaid, or sent by telex or telecopier. Each party shall have the right to change its address at any time, and from time to time, by giving written notice thereof to all other parties.

ARTICLE XIII.
TERM OF AGREEMENT

This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas interests subject hereto for the period of time selected below; provided, however, no party hereto shall ever be construed as having any right, title or interest in or to any lease or oil and gas interest contributed by any other party beyond the term of this agreement.

~~☐ Option No. 1: So long as any of the oil and gas leases subject to this agreement remain or are continued in force as to any part of the Contract Area, whether by production, extension, renewal or otherwise.~~

☒ Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or wells produce, or are capable of production, and for an additional period of 180 days from cessation of all production; provided, however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepening, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such operations have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or reworking operations are commenced within 180 days from the date of abandonment of said well.

It is agreed, however, that the termination of this agreement shall not relieve any party hereto from any liability which has accrued or attached prior to the date of such termination.

ARTICLE XIV.
COMPLIANCE WITH LAWS AND REGULATIONS

A. Laws, Regulations and Orders:

This agreement shall be subject to the conservation laws of the state in which the Contract Area is located, to the valid rules, regulations, and orders of any duly constituted regulatory body of said state; and to all other applicable federal, state, and local laws, ordinances, rules, regulations, and orders.

B. *Governing Law:*

This agreement and all matters pertaining hereto, including, but not limited to, matters of performance, non-performance, breach, remedies, procedures, rights, duties and interpretation or construction, shall be governed and determined by the law of the state in which the Contract Area is located. If the Contract Area is in two or more states, the law of the state of New Mexico shall govern.

C. Regulatory Agencies:

Nothing herein contained shall grant, or be construed to grant, Operator the right or authority to waive or release any rights, privileges, or obligations which Non-Operators may have under federal or state laws or under rules, regulations or orders promulgated under such laws in reference to oil, gas and mineral operations, including the location, operation, or production of wells, on tracts offsetting or adjacent to the Contract Area.

With respect to operations hereunder, Non-Operators agree to release Operator from any and all losses, damages, injuries, claims and causes of action arising out of, incident to or resulting directly or indirectly from Operator's interpretation or application of rules, rulings, regulations or orders of the Department of Energy or predecessor or successor agencies to the extent such interpretation or application was made in good faith. Each Non-Operator further agrees to reimburse Operator for any amounts applicable to such Non-Operator's share of production that Operator may be required to refund, rebate or pay as a result of such an incorrect interpretation or application, together with interest and penalties thereon owing by Operator as a result of such incorrect interpretation or application.

Non-Operators authorize Operator to prepare and submit such documents as may be required to be submitted to the purchaser of any crude oil sold hereunder or to any other person or entity pursuant to the requirements of the "Crude Oil Windfall Profit Tax Act of 1980", as same may be amended from time to time ("Act"), and any valid regulations or rules which may be issued by the Treasury Department from time to time pursuant to said Act. Each party hereto agrees to furnish any and all certifications or other information which is required to be furnished by said Act in a timely manner and in sufficient detail to permit compliance with said Act.

ARTICLE XV.
OTHER PROVISIONS

SEE PAGES 14a AND 14b

A. SUBSTITUTE WELL

1. If in the drilling of the Initial Well, Operator loses the hole, or encounters mechanical difficulties rendering it impracticable, in the opinion of the Operator, to drill the well to the Objective Depth, then and, in any of such events, on or before sixty (60) days after completion cessation of drilling attempts on the Initial well, Operator shall have the option to commence the drilling of another well (Substitute Well) at a lawful location of Operator's selection on the Contract Area, and prosecute the drilling of said well with due diligence and in a good and workmanlike manner to the Objective Depth. For all purposes of this agreement, the drilling of the Substitute Well shall be considered as the drilling of the Initial Well.

2. Any provision herein concerning the Initial Well shall also apply to the Substitute Well, and any provision herein excepting the Initial Well shall also except the Substitute Well.

B. REQUIRED OPERATIONS

Notwithstanding any other provisions herein, if during the term of this Agreement, and should the Contract Area consist of more than one drilling unit, a well is required to be drilled, or any other operation that may be required in order to (1) continue the Contract Area in force and effect, or, (2) maintain a Contract Area or any portion thereof in force and effect, or, (3) comply with an order issued by a regulatory body having jurisdiction in the premises, failing in which certain rights would terminate, the following shall apply: Should less than all of the parties hereto elect to participate and pay their proportionate part of the costs to be incurred in such operation, those parties desiring to participate shall have the right to do so at their sole cost, risk, and expense. Within fifteen (15) days following the conclusion of such operation which has the effect of successfully continuing the contract area, maintaining the contract area or complying with the issued order, each of the non-consenting parties agrees to execute and deliver an appropriate assignment of the total interest of each non-consenting party in and to the leases, or rights which would have terminated or which otherwise may have been preserved by virtue of such operation, excepting, however, wells theretofore completed and capable of producing in paying quantities in or on said drilling unit. Such assignment shall be delivered to the consenting parties in the proportion that they bore the expense attributable to the non-consenting parties' interest. For purposes of this Agreement, operations are considered necessary to earn or retain leasehold interests if those interests would be forfeited within 120 days of the commencement of said operations.

C. CERTAIN PLUGGING AND ABANDONMENT COSTS

If, pursuant to Article VI.B.2 hereof, less than all of the parties elect to participate in a proposed reworking, deepening or plugging back operation, and if such operation does not result in the production of hydrocarbons in commercial quantities or results in a completion that ceases to produce in commercial quantities prior to the time at which the consenting parties are fully reimbursed as provided in Article VI.B.2, then, notwithstanding the printed provisions of this Agreement, the party or parties who elected not to participate in such reworking, deepening or plugging back operation shall nevertheless be responsible for their proportionate part of the cost to plug and abandon such well, and salvage the equipment therefrom, except for the additional plugging and abandonment or salvage costs that are caused by the non-consent reworking, deepening or plugging back operation; the consenting parties shall be solely responsible for such additional costs.

D. METERING OF PRODUCTION

If a diversity of working interest ownership in production from a lease subject to this Agreement occurs as a result of operations by less than all parties under Article VI.B.2. herein, it is agreed that the oil and other liquid hydrocarbons produced from the well or wells completed by Consenting Parties shall be separately measured by standard metering equipment to be properly tested periodically for accuracy, and the setting of a separate tank battery will be required only when the purchaser of production from the lease, or a governmental or other regulatory body having proper jurisdiction, will not approve metering as the method for separately measuring the production.

E. ADDITIONAL RIGHTS

If any rights in the Contract Area or any new Area of Interest between the parties hereto are acquired by virtue of the drilling, deepening or completion of a well, a Non-Consenting party in such drilling, deepening, or completing shall not be entitled to any interest in such rights.

F. PRIORITY OF OPERATIONS

Whenever there is more than one proposal in connection with any well subject to this Agreement, and the parties cannot agree as to the priority of such operations, the Operator shall poll the parties to determine if a majority of the parties are in agreement as to the priority of such operations. In the event parties owning 51% of the working interest in such operation can agree as to the priority, then their votes shall determine the priority of such operations.

G. PREPARATION OF EXHIBIT "A"

The interests of the parties as set forth on Exhibit "A" were calculated based on the best information available to the Operator. If the information is found to have been erroneous, or if a mathematical or typographical error has been made in preparing the exhibits, the interests may be recalculated to reflect the correct interests.

H. REGULATORY EXPENSES

Notwithstanding anything to the contrary contained in this Operating Agreement or the Accounting Procedure (Exhibit "C"), the following items pertaining to the Contract Area shall not be considered as Administrative Overhead, but Operator shall be entitled to make a direct charge against the joint account for same:

Fees for legal services, title costs, costs and expenses in connection with preparations and presentations of evidence and exhibits at Governmental Regulatory hearings, preparation and handling of application to and hearings before the Federal Energy Regulatory Commission and other governmental agencies or regulatory bodies.

I. EXECUTION OF DOCUMENTS

This agreement shall be binding upon Operator and each Non-Operator when this Agreement or counterpart thereof has been executed by any such Non-Operator and the Operator notwithstanding that this agreement is not then or thereafter executed by all of the parties to which it is tendered or which are listed on Exhibit "A" as owning an interest in the Contract Area or which own, in fact, an interest in the Contract Area. The failure of any party to execute this Agreement shall not render it ineffective as to any party which does execute the same. This Agreement also may be ratified by separate instrument referring hereto, each of which shall have the effect of the original Agreement and of adopting by reference all of the provisions herein contained.

It is not the intent of the parties that any provision herein violate any applicable law regarding the rule against perpetuities, the suspension of an absolute power of alienation or other rule regarding the vesting or duration of estates, and this Agreement shall be construed as not violating such rule to the extent that same can be so construed consistent with the intent of the parties. In the event, however, any such provision hereof is determined to violate such rule, then such provision shall nevertheless be effective for the maximum period (but not longer than the maximum period) permitted by such rule which will result in no violation.

This Agreement is made solely for the benefit of those persons who are the signatory parties hereto (including those persons succeeding to all or a part of the interest of an original party if such succession is recognized under the other provisions hereof), and no other person shall have or claim or be entitled to enforce any rights, benefits or obligations under this Agreement.

J. THIS JOA SUPERCEDES PREVIOUS JOA

This joint operating agreement is in lieu of and supercedes that certain joint operating agreement, dated February 7, 1964 between Harvey E. Yates, as Operator, and Franklin, Aston & Fair, Inc., et al, as Non-Operators, as it applies to the depths described on Exhibit "A", herein, for the N/2 of Section 7, T-20S, R-27E, NMPM, Eddy County, New Mexico, for the drilling of the Turner 7 Federal Deep #1 well and any subsequent wells drilled during the time this joint operating agreement is in effect, as provided for in Article XIII., Option 2.

ARTICLE XVI.
MISCELLANEOUS

This agreement shall be binding upon and shall inure to the benefit of the parties hereto and to their respective heirs, devisees, legal representatives, successors and assigns.

This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.

IN WITNESS WHEREOF, this agreement shall be effective as of 15th day of April, 2000.

OPERATOR:

ATTEST:

Melissa Randle, Asst. Secretary

HARVEY E. YATES COMPANY

By:
Steven M. Yates, Vice-President

NON-OPERATORS:

ATTEST:

Melissa Randle, Asst. Secretary

SPIRAL, INC.

By:
Steven M. Yates, Vice-President

ATTEST:

Melissa Randle, Asst. Secretary

EXPLORERS PETROLEUM CORPORATION

By:
Steven M. Yates, Vice-President

TOM P. STEPHENS TRUST

By: ______________________
Trustee

~~HEYCO EMPLOYEES, LTD.~~

By: ______________________
Steven M. Yates, President of
~~Harvey E. Yates Company, General Partner~~

ATTEST:

____
Secretary

YATES ENERGY CORPORATION

By: ______________________
Fred G. Yates, President

ATTEST:

____

JALAPEÑO CORPORATION

By: ______________________
Harvey E. Yates, Jr., President

ATTEST:

____

EOG RESOURCES, INC..

By: ______________________

SHARBRO OIL LTD. CO.

By: ______________________

ESTATE OF LILLIE M. YATES

By: ______________________

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on May 5, 2000, by Steven M. Yates, Vice-President of HARVEY E. YATES COMPANY, a New Mexico corporation.

My Commission Expires:

12/3/2000

Diana L. Marshall
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on May 5, 2000, by Steven M. Yates, Vice-President of SPIRAL, INC., a New Mexico corporation.

My Commission Expires:

12/3/2000

Diana L. Marshall
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on May 5, 2000, by Steven M. Yates, Vice-President of EXPLORERS PETROLEUM CORPORATION, a New Mexico corporation.

My Commission Expires:

12/3/2000

Diana L. Marshall
Notary Public

STATE OF ____________)
)
COUNTY OF ___________)

This instrument was acknowledged before me on __________ 2000, by ______________, ______________, __________________of Bank of America N.A., Trustee of THE TOM P. STEPHENS TRUST, a trust in the State of ____________________________.

My Commission Expires:

____

Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by Fred G. Yates, President of YATES ENERGY CORPORATION, a New Mexico corporation.

My Commission Expires:

____

Notary Public

ARTICLE XVI.
MISCELLANEOUS

This agreement shall be binding upon and shall inure to the benefit of the parties hereto and to their respective heirs, devisees, legal representatives, successors and assigns.

This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.

IN WITNESS WHEREOF, this agreement shall be effective as of 15th day of April, 2000.

	OPERATOR:
ATTEST:	HARVEY E. YATES COMPANY
______________________ Melissa Randle, Asst. Secretary	By:______________________ Steven M. Yates, Vice-President
	NON-OPERATORS:
ATTEST:	SPIRAL, INC.
______________________ Melissa Randle, Asst. Secretary	By:______________________ Steven M. Yates, Vice-President
ATTEST:	EXPLORERS PETROLEUM CORPORATION
______________________ Melissa Randle, Asst. Secretary	By:______________________ Steven M. Yates, Vice-President
TOM P. STEPHENS TRUST	HEYCO EMPLOYEES, LTD.
By:______________________ Trustee	By:______________________ Steven M. Yates, President of Harvey E. Yates Company, General Partner
ATTEST:	YATES ENERGY CORPORATION
______________________ Secretary	SPK By:______________________ Fred G. Yates, President
ATTEST:	JALAPEÑO CORPORATION
______________________	By: ______________________ Harvey E. Yates, Jr., President
ATTEST:	EOG RESOURCES, INC..
______________________	By: ______________________
SHARBRO OIL LTD. CO.	ESTATE OF LILLIE M. YATES
By: ______________________	By: ______________________

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by Steven M. Yates, Vice-President of HARVEY E. YATES COMPANY, a New Mexico corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by Steven M. Yates, Vice-President of SPIRAL, INC., a New Mexico corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by Steven M. Yates, Vice-President of EXPLORERS PETROLEUM CORPORATION, a New Mexico corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________________, 2000, by Steven M. Yates, Vice-President of Harvey E. Yates Company, General Partner of HEYCO EMPLOYEES, LTD., a New Mexico limited partnership.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF ____________)
)
COUNTY OF __________)

This instrument was acknowledged before me on __________ 2000, by ____________, ____________, ________________of Bank of America N.A., Trustee of THE TOM P. STEPHENS TRUST, a trust in the State of ____________________________.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on Aug. 2, 2000, by Fred G. Yates, President of YATES ENERGY CORPORATION, a New Mexico corporation.

My Commission Expires:

July 17, 2002

Cindy Stevens
Notary Public

ARTICLE XVI.
MISCELLANEOUS

This agreement shall be binding upon and shall inure to the benefit of the parties hereto and to their respective heirs, devisees, legal representatives, successors and assigns.

This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.

IN WITNESS WHEREOF, this agreement shall be effective as of 15th day of April, 2000.

OPERATOR:

ATTEST: Melissa Randle
Melissa Randle, Asst. Secretary

HARVEY E. YATES COMPANY
By: Steven M. Yates
Steven M. Yates, Vice-President

NON-OPERATORS:

ATTEST: Melissa Randle
Melissa Randle, Asst. Secretary

SPIRAL, INC.
By: Steven M. Yates
Steven M. Yates, Vice-President

ATTEST: Melissa Randle
Melissa Randle, Asst. Secretary

EXPLORERS PETROLEUM CORPORATION
By: Steven M. Yates
Steven M. Yates, Vice-President

TOM P. STEPHENS TRUST
By: ____________________
Trustee

~~HEYCO EMPLOYEES, LTD.~~
By: ____________________
Steven M. Yates, President of
~~Harvey E. Yates Company, General Partner~~

ATTEST:
____
Secretary

YATES ENERGY CORPORATION
By: ____________________
Fred G. Yates, President

ATTEST:
____

JALAPEÑO CORPORATION
By: ____________________
Harvey E. Yates, Jr., President

ATTEST:
____

EOG RESOURCES, INC..
By: William R. Thomas
William R. Thomas
Sr. Vice President

SHARBRO OIL LTD. CO.
By: ____________________

ESTATE OF LILLIE M. YATES
By: ____________________

STATE OF NEW MEXICO)
)
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on ____________ 2000, by Harvey E. Yates, Jr., President of JALAPEÑO CORPORATION, a Nevada corporation.

My Commission Expires:

____________________ ______________________________
Notary Public

STATE OF Texas)
)
COUNTY OF Midland)

This instrument was acknowledged before me on 8-23 2000, by William R. Thomas Sr. Vice President of EOG RESOURCES, INC, a Delaware corporation.

My Commission Expires:

Thena L. Anderson
Notary Public

THENA L. ANDERSON
MY COMMISSION EXPIRES
October 14, 2000

ARTICLE XVI.
MISCELLANEOUS

This agreement shall be binding upon and shall inure to the benefit of the parties hereto and to their respective heirs, devisees, legal representatives, successors and assigns.

This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.

IN WITNESS WHEREOF, this agreement shall be effective as of 15th day of April, 2000.

OPERATOR:

ATTEST:

HARVEY E. YATES COMPANY

By:______________________________
Steven M. Yates, Vice-President

____
Melissa Randle, Asst. Secretary

NON-OPERATORS:

ATTEST:

SPIRAL, INC.

By:______________________________
Steven M. Yates, Vice-President

____
Melissa Randle, Asst. Secretary

ATTEST:

EXPLORERS PETROLEUM CORPORATION

By:______________________________
Steven M. Yates, Vice-President

____
Melissa Randle, Asst. Secretary

TOM P. STEPHENS TRUST

By:______________________________
Trustee

HEYCO EMPLOYEES, LTD.

By:______________________________
Steven M. Yates, President of
Harvey E. Yates Company, General Partner

ATTEST:

____
Secretary

YATES ENERGY CORPORATION

By:______________________________
Fred G. Yates, President

ATTEST:

____

JALAPEÑO CORPORATION

By:______________________________
Harvey E. Yates, Jr., President

ATTEST:

____

EOG RESOURCES, INC..

By:______________________________

SHARBRO OIL LTD. CO.
ESTATE OF LILLIE M. YATES

By: Frank Yates Jr.
Frank Yates, Jr., Manager of Sharbro Oil Ltd. Co.
and as Attorney-in-Fact for S.P. Yates, B. W. Harper
and Frank Yates, Jr., Personal Representatives of the
Estate of Lillie M. Yates

SACRAMENTO PARTNERS LIMITED PARTNERSHIP

By: ______________________________
Peyton Yates, Manager of Weed Oil & Gas
Company, L.C., General Partner

____
GRANT M. SMITH

____
MARY ANN MORRISON

____
GLENN DAVID MILLER

JOHN R. LUCAS AGENCY

By: ______________________________

ASTON FAMILY LTD. PARTNERSHIP

By: ______________________________

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By: ______________________________

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By: ______________________________
Gail Cotton, Vice-President

ATTEST:

____

READ & STEVENS, INC.

By: ______________________________

STATE OF NEW MEXICO)
)
COUNTY OF BERNALILLO)

This instrument was acknowledged before me on __________ 2000, by Harvey E. Yates, Jr., President of JALAPEÑO CORPORATION, a Nevada corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF ______________)
)
COUNTY OF _____________)

This instrument was acknowledged before me on __________ 2000, by ____________, ______________________ of EOG RESOURCES, INC, a ______________ corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF EDDY)

This instrument was acknowledged before me on June 27, 2000, by Frank Yates, Jr., Manager for Sharbro Oil Ltd. Co., a New Mexico company, on behalf of said company, and as Attorney-in-Fact for S. P. Yates, B. W. Harper and Frank Yates, Jr., Personal Representatives of the Estate of Lillie M. Yates.

My Commission Expires: Paula J. Baker
8-12-01 Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF EDDY)

This instrument was acknowledged before me on June 27, 2000, by Peyton Yates, Manager of Weed Oil & Gas Company, L.C., General Partner of Sacramento Partners Limited Partnership, on behalf of said partnership.

My Commission Expires:

8-12-01 Paula J. Baker
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ________ 2000, by GRANT M. SMITH, a _______ man, dealing in his sole and separate property.

My Commission Expires:

__________________ ______________________________
Notary Public

S. P. YATES

GRANT M. SMITH

Mary Ann Morrison
MARY ANN MORRISON

GLENN DAVID MILLER

JOHN R. LUCAS AGENCY

By:

ASTON FAMILY LTD. PARTNERSHIP

By:

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By:

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By:
Gail Cotton, Vice-President

ATTEST:

READ & STEVENS, INC.

By:

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ________ 2000, by GLENN DAVID MILLER, a married man, dealing in his sole and separate property.

My Commission Expires:

____

Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF LEA)

OFFICIAL SEAL
VALERIE GUERRA
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 4-7-2004

This instrument was acknowledged before me on 5-26-00 2000, by MARY ANN MORRISON, a Single woman, dealing in her sole and separate property.

My Commission Expires:

4-7-2004

Valerie Guerra

Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by Deborah Goluska, Agent for THE ASTON FAMILY LIMITED PARTNERSHIP, a limited partnership in the State of ______________.

My Commission Expires:

____

Notary Public

STATE OF ________________)
)
COUNTY OF ______________)

This instrument was acknowledged before me on ______ 2000, by _______________, _____________, Agent for THE JOHN R. LUCAS AGENCY, a ___________ in the State of ______________.

My Commission Expires:

____

Notary Public

STATE OF ________________)
)
COUNTY OF ______________)

This instrument was acknowledged before me on ___________ 2000, by ______________, _____________ of Bank of America, N.A., Agent for CHARLES A. ASTON III.

My Commission Expires:

____

Notary Public

S. P. YATES

GRANT M. SMITH

MARY ANN MORRISON

~~GLENN~~ DAVID MILLER

JOHN R. LUCAS AGENCY

By:

ASTON FAMILY LTD. PARTNERSHIP

By:

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By:

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By:
Gail Cotton, Vice-President

ATTEST:

READ & STEVENS, INC.

By:

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on May 9 2000, by GLENN DAVID MILLER, a married man, dealing in his sole and separate property.

My Commission Expires:

March 5, 2004

Melissa Randle
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF LEA)

This instrument was acknowledged before me on ________ 2000, by MARY ANN MORRISON, a _____________ woman, dealing in her sole and separate property.

My Commission Expires:

____

Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by Deborah Goluska, Agent for THE ASTON FAMILY LIMITED PARTNERSHIP, a limited partnership in the State of ______________.

My Commission Expires:

____

Notary Public

STATE OF ________________)
)
COUNTY OF _______________)

This instrument was acknowledged before me on _______ 2000, by _______________, _____________, Agent for THE JOHN R. LUCAS AGENCY, a ___________ in the State of ______________.

My Commission Expires:

____

Notary Public

STATE OF ________________)
)
COUNTY OF _______________)

This instrument was acknowledged before me on ___________ 2000, by ______________, _____________ of Bank of America, N.A., Agent for CHARLES A. ASTON III.

My Commission Expires:

____

Notary Public

____
S. P. YATES

____
MARY ANN MORRISON

JOHN R. LUCAS AGENCY

By: ______________________________

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By: ______________________________

ATTEST:

____

____
GRANT M. SMITH

____
GLENN DAVID MILLER

ASTON FAMILY LTD. PARTNERSHIP

By: Deborah K. Parker

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By: ______________________________
Gail Cotton, Vice-President

READ & STEVENS, INC.

By: ______________________________

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ________ 2000, by GLENN DAVID MILLER, a married man, dealing in his sole and separate property.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF LEA)

This instrument was acknowledged before me on ________ 2000, by MARY ANN MORRISON, a _____________ woman, dealing in her sole and separate property.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on 6-14 2000, by Deborah Goluska, Agent for THE ASTON FAMILY LIMITED PARTNERSHIP, a limited partnership in the State of New Mexico.

My Commission Expires:

5-2-2001 Martha J Roberts
Notary Public

STATE OF ________________)
)
COUNTY OF _______________)

This instrument was acknowledged before me on _______ 2000, by _______________, _____________, Agent for THE JOHN R. LUCAS AGENCY, a ___________ in the State of ______________.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF ________________)
)
COUNTY OF _______________)

This instrument was acknowledged before me on ___________ 2000, by ______________, _____________ of Bank of America, N.A., Agent for CHARLES A. ASTON III.

My Commission Expires:

____________________ ________________________________
Notary Public

S. P. YATES

GRANT M. SMITH

MARY ANN MORRISON

GLENN DAVID MILLER

JOHN R. LUCAS AGENCY

By:

ASTON FAMILY LTD. PARTNERSHIP

By:

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By: JAMES M. GLOVER
Assistant Vice President

ATTEST:

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By:
Gail Cotton, Vice-President

READ & STEVENS, INC.

By:

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ________ 2000, by GLENN DAVID MILLER, a married man, dealing in his sole and separate property.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF LEA)

This instrument was acknowledged before me on ________ 2000, by MARY ANN MORRISON, a ____________ woman, dealing in her sole and separate property.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by Deborah Goluska, Agent for THE ASTON FAMILY LIMITED PARTNERSHIP, a limited partnership in the State of ______________.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF ________________)
)
COUNTY OF ______________)

This instrument was acknowledged before me on ______ 2000, by ______________, ____________, Agent for THE JOHN R. LUCAS AGENCY, a __________ in the State of ______________.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF Texas)
)
COUNTY OF Dallas)

This instrument was acknowledged before me on May 25 2000, by James M. Glover, Asst. V. Pres. of Bank of America, N.A., Agent for CHARLES A. ASTON III.

My Commission Expires:

01/06/04 ________________________________
Notary Public

JO ANN DELEON
Notary Public, State of Texas
My Commission Exp. 01-06-2004

S. P. YATES

GRANT M. SMITH

MARY ANN MORRISON

GLENN DAVID MILLER

JOHN R. LUCAS AGENCY

By:____________________

ASTON FAMILY LTD. PARTNERSHIP

By:____________________

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By:____________________

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By:____________________
Gail Cotton, Vice-President

ATTEST:

____

READ & STEVENS, INC.

By: Charles B. Read
Charles B. Read, President

STATE OF ________________)
)
COUNTY OF ______________)

This instrument was acknowledged before me on __________ 2000, by Gail Cotton, Vice-President of Minerale Resources Inc., Agent for THE ASTON FAMILY PARTNERSHIP, a limited partnership in the State of ______________.

My Commission Expires:

____

Notary Public

STATE OF New Mexico)
)
COUNTY OF Chaves)

This instrument was acknowledged before me on May 19 2000, by Charles B. Read, President of READ & STEVENS. INC., a New Mexico corporation.

My Commission Expires:

6/13/200

Judy Sedillo
Notary Public

S. P. YATES

GRANT M. SMITH

MARY ANN MORRISON

GLENN DAVID MILLER

JOHN R. LUCAS AGENCY

By:

ASTON FAMILY LTD. PARTNERSHIP

By:

BANK OF AMERICA, N.A
AGENT FOR CHARLES A. ASTON, III

By:

ASTON PARTNERSHIP, MINERALE
RESOURCES INC., AGENT

By:
Gail Cotton, Vice-President

ATTEST:

READ & STEVENS, INC.

By:

ATTEST:

McCOMBS ENERGY, LLC

By:
Larry Wyont, Vice-President

STATE OF ________________)
)
COUNTY OF ________________)

This instrument was acknowledged before me on ___________ 2000, by Gail Cotton, Vice-President of Minerale Resources Inc., Agent for THE ASTON FAMILY PARTNERSHIP, a limited partnership in the State of ______________.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF ________________)
)
COUNTY OF ________________)

This instrument was acknowledged before me on ___________ 2000, by ________________, ________________ of READ & STEVENS, INC., a __________________ corporation.

My Commission Expires:

____________________ ________________________________
Notary Public

STATE OF TEXAS)
)
COUNTY OF Harris)

This instrument was acknowledged before me on 8-10, 2000, by ________ Larry Myrnt of McCombs Energy, LLC, a Texas corporation.

My Commission Expires:

____________________ Sharon M. McDonald
Notary Public

SHARON METCALF McDONALD
Notary Public, State of Texas
Commission Expires 12-29-2001

ATTEST:

____

NEW MEXICO OIL & GAS CORPORATION

By: _______________________________
Lawrence C. Harris, President

ATTEST:

____
Henry Lucero, Assistant Secretary

ARMSTRONG ENERGY CORPORATION

By: _______________________________
Robert G. Armstrong, President

ATTEST:

____

____

By: _______________________________
____

____
J. E. Cieszinski

____
Drusilla Cieszinski

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ____________ 2000, by Lawrence C. Harris, President of NEW MEXICO OIL & GAS CORPORATION, a New Mexico corporation.

My Commission Expires:

______________________ ______________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on Oct. 18 2000, by Robert G. Armstrong President of Armstrong Energy Corporation, a New Mexico corporation.

My Commission Expires:

OFFICIAL SEAL
LOIS N. BROWN
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires 8-15-02

Lois N. Brown
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ____________ 2000, by ________________, ______________ of ____, a ____________________ corporation.

My Commission Expires:

______________________ ______________________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________________ 2000, by J. E. Cieszinski and his wife, Drusilla Cieszinski.

My Commission Expires:

______________________ ______________________________________
Notary Public

ATTEST:

NEW MEXICO OIL & GAS CORPORATION

____

By: ___________________________
Lawrence C. Harris, President

ATTEST:

____

____

By: ___________________________
____

ATTEST:

NUEVO SEIS LIMITED PARTNERSHIP
a New Mexico Limited Partnership

By: MM, Inc., its General Partner
By: Barbara E. Hannifin
Barbara E. Hannifin, President

____

____
J. E. Cieszinski

____
Drusilla Cieszinski

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by Lawrence C. Harris, President of NEW MEXICO OIL & GAS CORPORATION, a New Mexico corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on __________ 2000, by ______________, ____________ of ______________________________________, a __________________ corporation.

My Commission Expires:

__________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on November 10, 2000, by Barbara E. Hannifin, President of MM, Inc., the General Partner of Nuevo Seis Limited Partnership.

My Commission Expires:

4-12-02

OFFICIAL SEAL
PATTI STACY
NOTARY PUBLIC
STATE OF NEW MEXICO
My Commission Expires ____

Pattie Stacy
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ______________ 2000, by J. E. Cieszinski and his wife, Drusilla Cieszinski.

My Commission Expires:

__________________ ______________________________
Notary Public

ATTEST:

NEW MEXICO OIL & GAS CORPORATION

____

By: ______________________________
Lawrence C. Harris, President

ATTEST:

____

____

By: ______________________________

ATTEST:

____

____

By: ______________________________

J. E. Cieszinski

J. E. Cieszinski

Drusilla Cieszinski

Drusilla Cieszinski

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by Lawrence C. Harris, President of NEW MEXICO OIL & GAS CORPORATION, a New Mexico corporation.

My Commission Expires:

____________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by _______________, _____________ of ____, a __________________ corporation.

My Commission Expires:

____________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on ___________ 2000, by _______________, _____________ of ____, a __________________ corporation.

My Commission Expires:

____________________ ______________________________
Notary Public

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

This instrument was acknowledged before me on October 3, 2000, by J. E. Cieszinski and his wife, Drusilla Cieszinski.

My Commission Expires:

12/3/2000 Diane L. Marshall
Notary Public

Turner 7 Federal Deep #1
(Revised 11/13/00)

EXHIBIT "A" (Temporary)

ATTACHED TO AND MADE A PART OF THAT CERTAIN OPERATING AGREEMENT, DATED APRIL 15, 2000, BETWEEN HARVEY E. YATES COMPANY, AS OPERATOR, AND OTHER PARTIES SIGNATORY THERETO, AS NON-OPERATORS

1. LANDS SUBJECT TO CONTRACT:

Township 20 South, Range 27 East, N.M.P.M.
Section 7: N/2
Eddy County, New Mexico
containing 318.22 acres, more or less

2. RESTRICTIONS AS TO DEPTHS, FORMATIONS AND SUBSTANCES:

This joint operating agreement covers all rights under the contract area from 4,000 feet to 10,540 feet.

3. PERCENTAGE INTERESTS OF THE PARTIES TO THIS AGREEMENT:

Working Interest Owners	WI in N/2 Section 7
Nuevo Seis, Inc. (D. Hannifin)	0.02911771
J. E. Cieszinski	0.01164708
Robert Armstrong	0.02329416
John R. Lucas Agency	0.00409130
Glen David Miller	0.00409130
Tom P. Stephens Trust	0.00818260
Grant Smith	0.00195094
EOG Resources	0.17899425
Read & Stevens	0.02557061
Mary Ann Morrison	0.00272753
Eako, LLC	0.01400688
Valko LLC)	0.00553942
Aston Partnership	0.00325167
Charles A. Aston, III	0.01136522
Harvey E. Yates Co.	0.35038026
Jalapeno Corp.	0.07044160
Yates Energy Corp.	0.09055229
Spiral, Inc.	0.01214831
Explorers Petroleum Corp.	0.02764687
McCombs Energy, LLC	0.12500000
Total	**1.00000000**

4. OIL & GAS LEASE SUBJECT TO THIS AGREEMENT:

Oil and Gas Lease dated January 1, 1945, by and between the United States of America, as Lessor, and Harvey E. Yates, as Lessee, bearing Serial No. NMLC-063567, insofar as said lease covers the following lands:

Township 20 South, Range 27 East, N.M.P.M.
Section 7: N/2
Eddy County, New Mexico
containing 318.22 acres, more or less.

5. **ADDRESSES OF PARTIES FOR NOTICE PURPOSES:**

HARVEY E. YATES COMPANY
SPIRAL, INC.
EXPLORERS PETROLEUM CORPORATION
P. O. Box 1933
Roswell, New Mexico 88202

YATES ENERGY CORPORATION
P. O. Box 2323
Roswell, New Mexico 88202

READ & STEVENS INC.
P. O. Box 1518
Roswell, New Mexico 88202

EOG RESOURCES, INC.
P. O. Box 2267
Midland, Texas 79702

GLENN DAVID MILLER
711 W. Alameda
Roswell, New Mexico 88201

MARY ANN MORRISON
P. O. Box 5581
Hobbs, New Mexico 88241

VALKO, LLC
EAKO, LLC
c/o Deborah Goluska
P. O. Box 1090
Roswell, New Mexico 88202-1090

BANK OF AMERICA, NA, AGENT FOR
Charles A. Aston III
P. O. Box 830308
Dallas, TX 75283-0308

McCOMBS ENERGY, LLC
Attn: Larry Wyont, Vice-Pres.
5599 San Felipe, Suite 1200
Houston, Texas 77056-2794

JALAPEÑO CORPORATION
P. O. Box 1608
Albuquerque, New Mexico 87108

JOHN R. LUCAS AGENCY &
TOM P. STEPHENS TRUST
c/o Bank of America NA, Attn: Deborah Coughlin
P. O. Box 254
Fort Worth, TX 76113-2546

GRANT M. SMITH
1112 Rancho Road
Roswell, NM 88201

ASTON PARTNERSHIP
c/o Minerale Resources, Inc.
Attn: Gail Cotton
P. O. Box 515792
Dallas, Texas 75251

ROBERT G. ARMSTRONG
Armstrong Energy Corp.
P. O. Box 1973
Roswell, NM 88202-1973

BARBARA HANNIFIN
Nuevo Seis Inc.
P. O. Drawer 2588
Roswell, NM 88202-2558

J. E. CIESZINSKI
P. O. Box 3047
Roswell, NM 88202-3047

EXHIBIT "B"

ATTACHED TO AND MADE A PART OF THAT CERTAIN OPERATING AGREEMENT DATED April 15, 2000 BETWEEN HARVEY E. YATES COMPANY, AS OPERATOR AND OTHER PARTIES SIGNATORY HERETO, AS NON-OPERATORS

There is no Exhibit "B" to this Joint Operating Agreement

Turner 7 Fed. Deep #1

Kraftbilt 601, BOX 800 TULSA OK 74101

COPAS - 1984 - ONSHORE
Recommended by the Council of Petroleum Accountants Societies

COPAS

EXHIBIT " C "

Attached to and made a part of that certain Joint Operating Agreement, dated April 15, 2000 between HARVEY E. YATES COMPANY, as Operator, and the other parties signatory hereto, as Non-Operators.

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.

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

A. 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 month's operation within fifteen (15) days after receipt of the billing or by the first day of the month for which the advance is required, whichever is later. Operator shall adjust each monthly billing to reflect advances received from the Non-Operators.

B. Each Non-Operator shall pay its proportion of all bills within thirty (30) ~~fifteen (15)~~ days after receipt. If payment is not made within such time, the unpaid balance shall bear interest daily at the annual rate of two percent (2%) above the prime interest rate charged by the Chase Manhattan Bank of New York, New York, 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. 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 a joint audit 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. The audits shall not be conducted more than once each year without prior approval of Operator, except upon the resignation or removal of the Operator, and shall be made at the expense of those Non-Operators approving such audit.

B. The Operator shall reply in writing to an audit report within 180 days after receipt of such report.

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. Ecological and Environmental

Costs incurred for the benefit of the Joint Property as a result of governmental or regulatory requirements to satisfy environmental considerations applicable to the Joint Operations. Such costs may include surveys of an ecological or archaeological nature and pollution control procedures as required by applicable laws and regulations.

2. Rentals and Royalties

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

3. 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.

(4) Salaries and wages of Technical Employees either temporarily or permanently assigned to and directly employed in the operation of 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 3A of this Section II. Such costs under this Paragraph 3B 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 3A 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 3A and 3B of this Section II.

D. Personal Expenses of those employees whose salaries and wages are chargeable to the Joint Account under Paragraph 3A of this Section II.

4. 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 3A and 3B of this Section II shall be Operator's actual cost not to exceed the percent most recently recommended by the Council of Petroleum Accountants Societies.

5. 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.

6. 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 where like material is normally available or railway receiving point nearest the Joint Property 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 where like material is normally available, or railway receiving point nearest the Joint Property 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, the option to equalize or charge actual trucking cost is available when the actual charge is $400 or less excluding accessorial charges. The $400 will be adjusted to the amount most recently recommended by the Council of Petroleum Accountants Societies.

7. Services

The cost of contract services, equipment and utilities provided by outside sources, except services excluded by Paragraph 10 of Section II and Paragraph i, ii, and iii, 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.

8. 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 gross investment less accumulated depreciation not to exceed ten percent (10 %) 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 8A 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.

9. 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.

10. Legal Expense

Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgements 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.

11. 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. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding anything to the contrary herein, charges to the Joint Account shall be made and paid by the Parties hereto in accordance with the tax value generated by each party's working interest.

12. 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 Worker'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.~~

13. Abandonment and Reclamation

Costs incurred for abandonment of the Joint Property, including costs required by governmental or other regulatory authority.

14. Communications

Cost of acquiring, leasing, installing, operating, repairing and maintaining communication systems, including radio and microwave facilities directly serving the Joint Property. In the event communication facilities/systems serving the Joint Property are Operator owned, charges to the Joint Account shall be made as provided in Paragraph 8 of this Section II.

15. 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 of direct benefit to the Joint Property and 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 3A, 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 be covered by the overhead rates, or
      (X) shall not be covered by the overhead rates.

   iii. The salaries, wages and Personal Expenses of Technical Employees and/or costs of professional consultant services and contract services of technical personnel either temporarily or permanently assigned to and directly employed in the operation of the Joint Property:

      (X) shall be covered by the overhead rates, or
      ( ) shall not 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 $ 6,350.00
         (Prorated for less than a full month)

         Producing Well Rate $ 635.00

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

         (a) Drilling Well Rate

            (1) Charges for drilling wells shall begin on the date the well is spudded and terminate on the date the drilling rig, completion rig, or other units used in completion of the well is released, whichever is later, except that no charge shall be made during suspension of drilling or completion operations for fifteen (15) or more consecutive calendar days.

            (2) Charges for wells undergoing any type of workover or recompletion for a period of five (5) consecutive work 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 or other units used in workover, commence through date of rig or other unit release, except that no charge shall be made during suspension of operations for fifteen (15) or more consecutive calendar 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 shall be made for the month in which plugging and abandonment operations are completed on any well. This one-well charge shall be made whether or not the well has produced except when drilling well rate applies.

            (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 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 10 of Section II and all salvage credits.

(b) Operating

____________ Percent (____ %) of the cost of operating the Joint Property exclusive of costs provided under Paragraphs 2 and 10 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, redrilling, deepening, or any remedial operations on any or all wells involving the use of drilling rig and crew capable of drilling to the producing interval on the Joint Property; 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 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 $ 25,000 :

A. 5 % of first $100,000 or total cost if less, plus

B. 3 % of costs in excess of $100,000 but less than $1,000,000, plus

C. 2 % of 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 ~~and artificial lift equipment~~ shall be excluded.

3. Catastrophe Overhead

To compensate Operator for overhead costs incurred in the event of expenditures resulting from a single occurrence due to oil spill, blowout, explosion, fire, storm, hurricane, or other catastrophes as agreed to by the Parties, which are necessary to restore the Joint Property to the equivalent condition that existed prior to the event causing the expenditures, Operator shall either negotiate a rate prior to charging the Joint Account or shall charge the Joint Account for overhead based on the following rates:

A. 5 % of total costs through $100,000; plus

B. 3 % of total costs in excess of $100,000 but less than $1,000,000; plus

C. 2 % of total costs in excess of $1,000,000.

Expenditures subject to the overheads above will not be reduced by insurance recoveries, and no other overhead provisions of this Section III shall apply.

4. 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 reasons, 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 basis exclusive of cash discounts:

A. New Material (Condition A)

(1) Tubular Goods Other than Line Pipe shall be priced using the Computerized Equipment Pricing System (CEPS) published by COPAS, which takes into account historical price multipliers.

~~(a) Tubular goods, sized 2⅜ inches OD and larger, except line pipe, shall be priced at Eastern mill published~~ carload base prices effective as of date of movement plus transportation cost using the 80,000 pound carload weight basis to the railway receiving point nearest the Joint Property for which published rail rates for tubular goods exist. If the 80,000 pound rail rate is not offered, the 70,000 pound or 90,000 pound rail rate may be used. Freight charges for tubing will be calculated from Lorain, Ohio and casing from Youngstown, Ohio.

(b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus transportation cost from that mill to the railway receiving point nearest the Joint Property as provided above in Paragraph 2.A.(1)(a). For transportation cost from points other than Eastern mills, the 30,000 pound Oil Field Haulers Association interstate truck rate shall be used.

(c) Special end finish tubular goods shall be priced at the lowest published out-of-stock price, f.o.b. Houston, Texas, plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate, to the railway receiving point nearest the Joint Property.

(d) Macaroni tubing (size less than 2⅜ inch OD) shall be priced at the lowest published out-of-stock prices f.o.b. the supplier plus transportation costs, using the Oil Field Haulers Association interstate truck rate per weight ~~of tubing transferred, to the railway receiving point nearest the Joint Property.~~

(2) Line Pipe shall be priced using the Computerized Equipment Pricing System (CEPS) published by COPAS, which takes into account historical price multipliers.

~~(a) Line pipe movements (except size 24 inch OD and larger with walls ¾ inch and over) 30,000 pounds or more~~ shall be priced under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.

(b) Line pipe movements (except size 24 inch OD and larger with walls ¾ inch and over) less than 30,000 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment, plus 20 percent, plus transportation costs based on freight rates as set forth under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.

(c) Line pipe 24 inch OD and over and ¾ inch wall and larger shall be priced f.o.b. the point of manufacture at current new published prices plus transportation cost to the railway receiving point nearest the Joint Property.

(d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at prices ~~agreed to by the Parties.~~

(3) Other Material 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, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property.

(4) Unused new Material, except tubular goods, moved from the Joint Property shall be priced at the current new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. Unused new tubulars will be priced as provided above in Paragraph 2 A (1) and (2).

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

At seventy-five percent (75%) of current new price, as determined by Paragraph A.

(2) Material used on and moved from the Joint Property

(a) At seventy-five percent (75%) of current new price, as determined by Paragraph A, 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 A, if Material was originally charged to the Joint Account as used Material.

(3) Material not used on and moved from the Joint Property

At seventy-five percent (75%) of current new price as determined by Paragraph A.

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

C. Other Used Material

(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 A. 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

Material, excluding junk, no longer suitable for its original purpose, but usable for some other purpose shall be priced on a basis commensurate with its use. Operator may dispose of Condition D Material under procedures normally used by Operator without prior approval of Non-Operators.

(a) Casing, tubing, or drill pipe used as line pipe shall be priced as Grade A and B seamless line pipe of comparable size and weight. Used casing, tubing or drill pipe utilized as line pipe shall be priced at used line pipe prices.

(b) Casing, tubing or drill pipe used as higher pressure service lines than standard line pipe, e.g. power oil lines, shall be priced under normal pricing procedures for casing, tubing, or drill pipe. Upset tubular goods shall be priced on a non upset basis.

(3) Condition E

Junk shall be priced at prevailing prices. Operator may dispose of Condition E Material under procedures normally utilized by 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 or unloading costs may be charged to the Joint Account at the rate of twenty-five cents (25¢) per hundred weight on all tubular goods movements, in lieu of actual loading or unloading costs sustained at the stocking point. The above rate shall be adjusted as of the first day of April each year following January 1, 1985 by the same percentage increase or decrease used to adjust overhead rates in Section III, Paragraph 1.A(3). Each year, the rate calculated shall be rounded to the nearest cent and shall be the rate in effect until the first day of April next year. Such rate shall be published each year by the Council of Petroleum Accountants Societies.

(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

Adjustments to the Joint Account resulting from the reconciliation of a physical inventory shall be made within six months following the taking of the inventory. Inventory adjustments shall be made by Operator to 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, change of interest, or change of Operator 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. In cases involving a change of Operator, all Parties shall be governed by such inventory.

4. Expense of Conducting Inventories

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

B. The expense of conducting special inventories shall be charged to the Parties requesting such inventories, except inventories required due to change of Operator shall be charged to the Joint Account.

EXHIBIT "D"

ATTACHED TO AND MADE A PART OF THAT CERTAIN OPERATING AGREEMENT
DATED April 15, 2000 BETWEEN HARVEY E. YATES COMPANY, AS OPERATOR
AND OTHER PARTIES SIGNATORY HERETO, AS NON-OPERATORS

At all times during the conduct of operations hereunder, Operator shall maintain in force the following insurance:

1. Workman's Compensation Insurance and Employer's Liability Insurance as required by the laws of the State in which operations are being conducted.

2. Comprehensive General Public Liability on the following:

Bodily Injury:	$200,000 each person
	$500,000 each accident
Property Damage:	$100,000 each accident
	$100,000 aggregate

3. Automobile Public Liability and Property Damage Insurance with limits of not less than $100,000 for any one person injured in any accident and not less than $500,000 for any number of persons injured in one accident, and with not less than $50,000 property damage coverage for one accident.

All premiums paid on such insurance shall be charged to the Joint Account. Except by mutual consent of the parties, no other insurance shall be maintained for the Joint Account, and all losses not covered by such insurance shall be charged to the Joint Account.

EXHIBIT "E"

ATTACHED TO AND MADE A PART OF THAT CERTAIN JOINT OPERATING AGREEMENT, DATED April 15, 2000, BY AND BETWEEN HARVEY E. YATES COMPANY, AS OPERATOR AND THE OTHER SIGNATORY PARTIES HERETO, AS NON-OPERATORS.

GAS BALANCING AGREEMENT

NOTWITHSTANDING ANYTHING CONTAINED HEREIN, this Gas Balancing Agreement shall apply only to gas wells, not to oil wells producing gas. The parties to the Operating Agreement to which this agreement is attached own the working interest in the gas rights underlying the lands covered by such agreement (the "Contract Area") in accordance with the percentages of participation as set forth in Exhibit "A" to the Operating Agreement (the "participation percentage").

In accordance with the terms of the Operating Agreement, each party thereto has the right to take its share of gas produced from the Contract Area and market the same. In the event any of the parties hereto collectively owning participation percentages of less than 50% are not at any time taking or marketing their share of gas or have contracted to sell their share of gas produced from the Contract Area to a purchaser which does not at any time while this agreement is in effect take the full share of gas attributable to the interest of such parties, this agreement shall automatically become effective upon the terms hereinafter set forth.

1. During the period or periods when any parties hereto have no market for their share of gas produced from any proration unit within the Contract Area, or their purchaser does not take its full share of gas produced from such proration unit, other parties shall be entitled to produce each month 100% of the lesser of a) allowable gas production assigned to such proration unit by applicable state regulatory authority or b) the delivery capacity of gas from such proration unit; provided, however, no party who does not have gas in place shall be entitled to take or deliver to a purchaser gas production in excess of 200% of the lesser of c) its share of the volumes of gas capable of being delivered on a daily basis or d) its share of allowable gas production. All parties hereto shall share in and own the liquid hydrocarbons recovered from such gas by lease equipment in accordance with their respective interests and subject to the Operating Agreement to which this agreement is attached, but the party or parties taking such gas shall own all of the gas delivered to its or their purchaser.

2. On a cumulative basis, each party not taking or marketing its full share of the gas produced shall be credited with gas in place equal to its full share of the gas produced under this agreement, less its share of gas used in lease operations, vented or lost, and less that portion such party took or delivered to its purchaser. The Operator will maintain a current account of gas balance between the parties and will furnish all parties hereto monthly statements showing the total quantity of gas produced, the amount used in lease operations, vented or lost, the total quantity of liquid hydrocarbons recovered therefrom, and the monthly and cumulative over and under account of each party.

3. At all times while gas is produced from the Contract Area, each party hereto will make settlement with the respective royalty owners to whom they are each accountable, just as if each party were taking or delivering to a purchaser its share, and its share only. Each party hereto agrees to hold each other party harmless from any and all claims for royalty payments asserted by royalty owners to whom each party is accountable. The term "royalty owner" shall include owners of royalty, overriding royalties, production payments and other similar interests.

Each party producing and taking or delivering gas to its purchaser shall pay any and all taxes due on such gas.

4. After notice to the Operator, any party at any time may begin taking or delivering to its purchaser its full share of the gas produced from a proration unit under which it has gas in place less such party's share of gas used in operations, vented or lost. Provided, however, a Party shall not be entitled to take gas attributable to a particular Reservoir in excess of such Party's Percentage Ownership therein, multiplied by applicable Reserves, unless the continued taking of production is necessary for lease maintenance purposes, or consented to in advance in writing by all parties. Reserves shall be determined within a year of completion from a Reservoir, and annually thereafter, by a recognized consulting engineer firm selected by the Operator. Upon request, copies of the reserve study shall be made available to each Party. For the purposes of this provision, "Reserves" shall mean the remaining proven gas reserves plus the cumulative gas production attributable to a Reservoir, as most recently determined by the consulting engineering firm and "Reservoir" shall mean a stratum of earth containing, or thought to contain, a common accumulation of oil and gas separately producible from any other common accumulation of oil and gas. In addition to such share, each party, including the Operator, until it has recovered its gas in place and balanced the gas account as to its interest, shall be entitled to take or deliver to its purchaser a share of gas determined by multiplying 50% of the interest in the current gas production of the party or parties without gas in place by a fraction, the numerator of which is the interest in the proration unit of such party with gas in place and the denominator of which is the total percentage interest in such proration unit of all parties with gas in place currently taking or delivering to a purchaser.

5. Nothing herein shall be construed to deny any party the right, from time to time, to produce and take or deliver to its purchaser its full share of the allowable gas production to meet the deliverability tests required by its purchaser, provided that said test should be reasonable in length, normally not to exceed 72 hours.

6. If a proration unit ceases to produce gas and/or liquid hydrocarbons in paying quantities before the gas account is balanced, settlement will be made between the underproduced and overproduced parties. In making such settlements, the underproduced party or parties will be paid a sum of money by the overproduced party or parties attributable to the overproduction which said overproduced party received, less applicable taxes theretofore paid, at the applicable price defined below for the delivery of a volume of gas equal to that for which settlement is made. For gas, the price of which is not regulated by federal, state or other governmental agencies, the price basis shall be the price received for the sale of the gas. For gas, the price of which is subject to regulation by federal, state or other governmental authorities, the price basis shall be the rate collected, from time to time, which is not subject to possible refund, as provided by the Federal Energy Regulatory Commission or any other governmental authority, pursuant to final order or settlement applicable to the gas sold from such well, plus any additional collected amount which is not ultimately required to be refunded by such authority, such additional collected amount to be accounted for at such time as final determination is made with respect hereto.

7. Notwithstanding the provisions of Paragraph 6, it is expressly agreed that any underproduced party shall have the optional right, with respect to each proration unit, to receive a cash settlement bringing such underproduced party's gas account into balance at any time and from time to time prior to the final settlement, by first giving each overproduced party 90 days' written notice of demand for cash settlement. If such option is so exercised, settlement shall be made (as of 7:00 o'clock A.M. on the first day of the calendar month following the date of such written demands) within 90 days following the actual receipt of such written demands by the overproduced parties, in the same manner provided for in Paragraph 6. The option provided for in this paragraph may be exercised, from time to time, but only one time in each calendar year.

8. Nothing herein shall change or affect each party's obligation to pay its proportionate share of all costs and liabilities incurred, as its share thereof is set forth in the Operating Agreement.

9. This agreement shall constitute a separate agreement as to each proration unit approved by the applicable regulatory authority for a pool within the Contract Area, but such proration unit shall not include any producing horizon which is not within the vertical limits of said pool. This agreement shall remain in force and effect so long as the Operating Agreement to which it is attached remains in effect, and shall inure to the benefit of and be binding upon the parties hereto, their heirs, successors, legal representatives and assigns.

EXHIBIT "F"

ATTACHED TO AND MADE A PART OF THAT CERTAIN JOINT OPERATING AGREEMENT, DATED April 15, 2000, BY AND BETWEEN HARVEY E. YATES COMPANY, AS OPERATOR AND THE OTHER SIGNATORY PARTIES HERETO, AS NON-OPERATORS,

NONDISCRIMINATION CLAUSE

HARVEY E. YATES COMPANY, hereinafter referred to as "Operator" agrees, unless exempt therefrom, to comply with all provisions of Executive Order 11246, which are incorporated herein by reference, and if Operator has more than 50 employees, Operator must file Standard Form 100 (EEO-1) and develop a written "Affirmative Action Compliance Program" for each of its establishments according to the Rules and Regulations published by the United States Department of Labor in 41 C.F.R., Chapter 60. Operator further hereby certifies that it does not now and will not maintain any facilities provided for its employees in a segregated manner or permit its employees to perform their services at any location under its control where segregated facilities are maintained, as such segregated facilities are defined in Title 41, Chapter 60-1.8, Code of Federal Regulations, revised as of January 1, 1969, unless exempt therefrom.

Unless exempt by rules, regulations or orders of the United States Secretary of Labor, issued pursuant to Section 204 of the Executive Order 11246 dated September 24, 1965, during the performance of this contract, the Operator 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 the 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 by the contracting office setting forth the provisions of this nondiscrimination 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 he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or worker's representative of the Operator's commitments under Section 202 of Executive Order11246 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 his books, records and accounts by the contracting 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 noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations or orders, this contract may be canceled, terminated or suspended in whole or in part and the Operator may be declared ineligible for further Government 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 rules, regulations or orders 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 contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance; 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 contracting agency, the Operator may request the United States to enter into such litigation to protect the interests of the United States."