

UNIT OPERATING AGREEMENT

TRINITY BURRUS ABO UNIT

LEA COUNTY, NEW MEXICO

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 13582 and 13583 Exhibit No. 4
Submitted by:
CHESAPEAKE OPERATING, INC.
Hearing Date: October 20, 2005

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UNIT OPERATING AGREEMENT
TRINITY BURRUS ABO UNIT
LEA COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the 1st day of September, 2005, by the parties who have signed the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof;

WITNESSETH:

WHEREAS, the parties hereto as Working Interest Owners have executed, as of the date hereof, an agreement entitled "UNIT AGREEMENT, TRINITY BURRUS ABO UNIT, LEA COUNTY, NEW MEXICO", herein referred to as "Unit Agreement", which, among other things, provides for a separate agreement to be entered into by Working Interest Owners to provide for Unit Operations as therein defined.

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

ARTICLE 1
CONFIRMATION OF UNIT AGREEMENT

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

ARTICLE 2
EXHIBITS

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

2.1.1 Exhibit "A", "B" and "C" of the Unit Agreement.

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

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

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

2.1.5 Exhibit "G," attached hereto, contains Pre-Existing Non-Consent provisions.

2.1.6 Exhibit "H," attached hereto, is an outline of categories of Pre-Unitization Expenses for the formation of the subject Unit.

2.2 Correcting Errors: The shapes and descriptions of the respective Tracts have been established by using the best information available. If it subsequently appears that any Tract, because of

diverse royalty or working interest ownership on the Effective Date hereof, should be divided into more than one Tract, or that any mechanical or clerical error has been made in the preparation of Exhibits or information shown thereon, the Unit Operator, with the approval of the Operating Committee, may correct the mistake by revising the Exhibits to conform to the facts. The revision shall not include any re-evaluation of engineering or geological interpretations used in determining Tract Participation. Each such revision of an Exhibit made prior to thirty (30) days after the Effective Date shall be effective as of the Effective Date. Each such revision of an Exhibit thereafter made shall be effective at 7:00 a.m. on the first day of the calendar month next following the filing for record of the revised Exhibit, or such date as may be determined by the Operating Committee and set forth in the revised Exhibit.

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

ARTICLE 3 CREATION OF OPERATING COMMITTEE

3.1 Creation of Operating Committee: An Operating Committee is hereby established to consist of one (1) representative to be designated by each Working Interest Owner that owns a minimum of at least two percent (2%) interest in the Unitized Area, provided that an individual Working Interest Owner may be a member of the Committee. Each Working Interest Owner shall, in writing, inform Unit Operator of the names and addresses of the representative and alternate who are authorized to represent and bind such Working Interest Owner with respect to Unit Operations. The representative or alternate may be changed, from time to time, by written notice to Unit Operator.

3.2 Officers: The representative of the Unit Operator shall be Chairman of the Operating Committee. The Committee shall select a Secretary and other officers as the Committee deems proper. The Secretary and other officers may or may not be members of the Committee. The Secretary shall keep and maintain the records of the actions of the Committee. The officers shall serve at the will of the Operating Committee and perform the other duties that are delegated to them by the Operating Committee.

3.3 Overall Supervision: The Operating Committee shall exercise overall supervision and control of all matters pertaining to Unit Operations pursuant to this Plan of Unitization.

3.4 Specific Authorities and Duties: The matters with respect to which the Operating Committee shall decide and take action shall include, but not be limited to, the following:

3.4.1 Method of Operation: The method of operation, including any type of pressure maintenance, secondary recovery, or other recovery program to be employed.

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

3.4.3 Well Recompletions and Change of Status: The recompletion, abandonment, or change of status of any well, or the use of any well for injection or other purposes.

3.4.4 Expenditures: Authorization of any single expenditure, in excess of One Hundred Thousand Dollars (\$100,000.00); provided that, approval by the Operating Committee of the drilling, workover, drilling deeper, or plugging back of any well shall include approval of all necessary expenditures required therefor, and for completing, testing, and equipping the well, including necessary flow lines, separators, and lease tankage.

3.4.5 Disposition of Unit Equipment: The selling or otherwise disposing of any surplus Unit Equipment, if the current list price of new equipment similar thereto is Fifty Thousand Dollars (\$50,000.00) or more.

3.4.6 Appearance Before a Court or Regulatory Agency: The designating of a representative to appear before any court or regulatory agency in matters pertaining to Unit Operations; provided that, such designation shall not prevent any Working Interest Owner from appearing in person or from designating another representative in its own behalf at such Working Interest Owner's own expense.

3.4.7 Audits: The auditing of the accounts of Unit Operator pertaining to Unit Operations hereunder; provided that the audits shall:

a) Not be conducted more than once each year except upon resignation or removal of Unit Operator;

b) Be made upon the affirmative vote of at least fifty-one percent (51%) of the voting interest remaining after excluding the voting interest of Unit Operator; such costs incurred shall be at the expense of all Working Interest Owners other than Unit Operator;

c) Be made at the expense of all Working Interest Owners other than the Working Interest Owner designated as Unit Operator except that if the affirmative vote is less than the fifty-one percent (51%) required in subparagraph (b) of this section, then the audit shall be made at the expense of those Working Interest Owners requesting such audit; and,

d) Be made upon not less than thirty (30) days' written notice to Unit Operator.

3.4.8 Inventories: The taking of periodic inventories under the terms of Exhibit "E".

3.4.9 Technical Services: The authorizing of charges to the joint account for services by consultants or Unit Operator's technical personnel not covered by the overhead charges provided by Exhibit "E".

3.4.10 Assignment to Committees: The appointment of committees to study any problems in connection with Unit Operations.

3.4.11 Replacement of Operator: The removal of Unit Operator and the selection of a successor.

3.4.12 Investment Adjustment: The adjustment and readjustment of investments.

3.4.13 Termination of Operations: The termination of Unit Operations and the Plan of Unitization.

3.4.14 Release of Information: The release of information, photographs, or television pictures concerning operations conducted hereunder and incidents occurring in connection with operations conducted hereunder; provided, however, that drilling depths, names of formations encountered, and other information normally furnished to industry scouting or news services may be released by the Unit Operator without approval of the Operating Committee.

ARTICLE 4
Supervision of Unit Operations

4.1 Meeting of Operating Committee: All meetings of the Operating Committee shall be called by the Unit Operator upon its own motion or at the request of one or more Working Interest Owners having a total Unit Participation of not less than ten percent (10%). No meeting shall be called on less than fourteen (14) days' advance written notice, with an agenda for the meeting attached. Working Interest Owners who attend the meeting may amend items included in the agenda and may act upon an amended item or other items presented at the meeting, provided any such non-agenda item(s) does not exceed One Hundred Thousand Dollars (\$100,000.00) total cost. The representative of the Unit Operator shall be Chairman of each meeting. A copy of the minutes of each meeting shall be mailed to each member of the Operating Committee within a reasonable time after the meeting.

4.2 Voting Procedure: The Operating Committee shall decide all matters coming before it as follows:

4.2.1 Voting Interest: Each Working Interest Owner shall have a voting interest equal to its Unit Participation.

4.2.2 Vote Required - Generally: Unless otherwise provided herein, all matters shall be decided by an affirmative vote of seventy percent (70%) or more voting interest; provided that, should any one Working Interest Owner have more than forty percent (40%) voting interest, its vote must be supported by the vote of at least one remaining Working Interest Owner.

4.2.3 Vote at Meeting by Non-Attending Working Interest Owner (Proxy): Any Working Interest Owner who is not represented at a meeting may vote on any agenda item by letter or telegram, on any matter submitted in writing to the members of the Committee. If a meeting is not requested, as provided in paragraph 4.1, within seven (7) days after a written proposal is sent to Working Interest Owners, the vote taken by letter or telegram shall become final. Failure to vote, shall be deemed a vote of "in favor" of the proposal as set forth by the Committee. Unit Operator will give prompt notice of the results of such voting to all members of the Operating Committee.

ARTICLE 5
INDIVIDUAL RIGHTS OF WORKING INTEREST OWNERS

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

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

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

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

ARTICLE 6
UNIT OPERATOR

6.1 Initial Unit Operator: Chesapeake Operating Inc., under contract to Chesapeake Exploration Limited Partnership and Chesapeake Permian Limited Partnership, is hereby designated as Unit Operator.

6.2 Resignation or Removal: Unit Operator has the right to resign at any time. The Unit Operator shall, upon default or gross negligence in the performance of its duties hereunder, be subject to removal by the Operating Committee by the affirmative vote of at least eighty percent (80%) of all remaining Working Interest Owners. A Unit Operator that resigns or is removed shall not be released from its obligations hereunder for a period of six (6) months after the resignation or discharge unless a successor Unit Operator has taken over the Unit Operations prior to the expiration of such period (as provided in the Unit Agreement).

6.3 Selection of Successor: Upon the resignation or removal of a Unit Operator, a successor Unit Operator shall be selected by the Operating Committee. If the Unit Operator that is removed fails to vote or votes only to succeed itself, the successor Unit Operator may be selected by the affirmative vote of two (2) or more Working Interest Owners having at least ninety percent (90%) of the voting interest remaining, after excluding the voting interest of the Unit Operator that was removed.

ARTICLE 7
AUTHORITIES AND DUTIES OF UNIT OPERATOR

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

7.2 Workmanlike Conduct: The Unit Operator shall conduct Unit Operations in a good and workmanlike manner and in accordance with accepted industry standards as would a prudent operator under the same or similar circumstances. Unit Operator shall freely consult with the Operating Committee and keep it informed of all matters which Unit Operator, in the exercise of its best judgment, considers important. Unit Operator shall not be liable to Working Interest Owners for damages not resulting from its gross negligence or willful misconduct.

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

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

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

7.6 Reports to Working Interest Owners: The Unit Operator shall furnish to Working Interest Owners reports of Unit Operations as agreed to by the Operating Committee.

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

7.8 Engineering and Geological Information: The Unit Operator shall furnish to Working Interest Owner, upon written request, any engineering and geological data pertaining to Unit Operations.

7.9 Expenditures: Unit Operator is authorized to make all expenditures for normal or recurring operating expenses and other single expenditures not in excess of One Hundred Thousand Dollars (\$100,000.00) without prior approval of the Operating Committee. If an emergency occurs, the Unit Operator may immediately make or incur expenditures that, in its opinion, are required to deal with the emergency. Unit Operator shall report to Working Interest Owners, as promptly as possible, the nature of the emergency and the action taken.

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

7.11 Restoration of Surface Conditions Existing Prior to Unitization: Working Interest Owner, upon request of Unit Operator, shall fill all pits, remove concrete foundations, or perform any other restorative work necessary to restore surface damage which existed prior to the Effective Date. If Working Interest Owner has not completed said work within ninety (90) days after notification by the Unit Operator, then the Unit Operator shall be authorized to perform the necessary restoration. The cost of any such work to restore surface to a condition that is acceptable to the proper regulatory body shall be borne entirely by the Working Interest Owner or Working Interest Owners who contributed such lands to the Unit.

7.12 Mathematical Errors: It is hereby agreed by all parties to this agreement that Unit Operator is empowered to correct any mathematical errors which might exist in the exhibits to this agreement.

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

7.14 Indemnities: As to all contracts executed by the Unit Operator with an independent contractor governing operation or services to be performed in connection with unit operations, Unit Operator shall require that any indemnification provision in favor of Unit Operator contained therein shall extend to and inure to the benefit of Working Interest Owners in the same manner as Unit Operator.

ARTICLE 8 TAXES

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

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

ARTICLE 9
INSURANCE

9.1 **Insurance**: Unit Operator, with respect to Unit Operations, shall do the following:

9.1.1 **Workmen's Compensation Law**: Comply with the Workmen's Compensation Law of the State of New Mexico.

9.1.2 **Employer's Liability Insurance**: Carry Employer's Liability and other insurance required by the laws of the State of New Mexico.

9.1.3 **Other Insurance**: Provide other insurance as set forth in Exhibit "F".

ARTICLE 10
ADJUSTMENT OF INVESTMENTS

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

10.1.1 **Wells**: All wells completed in the Unitized Formation together with the casing therein.

10.1.2 **Well and Lease Equipment**: The tubing in each such well, the wellhead connections thereon, and all other lease and operating equipment that is used in the operation of such wells which the Operating Committee determines is necessary or desirable for conducting Unit Operations. (If any such wells are multiple-completed wells, the provisions of the subsection shall apply only to that equipment used in connection with the Unitized Formation.)

10.1.3 **Records**: A copy of all production and well records that pertain to such wells.

10.2 **Inventory and Evaluation of Personal Property**: The Operating Committee shall, at Unit Expense, inventory and evaluate, as determined by the Operating Committee, the personal property taken over. Such inventory shall include, and be limited to, those items of equipment considered controllable under Exhibit "E" unless determined otherwise by the Operating Committee in order to insure a more equitable adjustment of investment. Casing shall be included in the inventory for record purposes, but shall be excluded from evaluation and investment adjustment.

10.3 **Inventory Adjustment**: Upon approval by the Operating Committee of the inventory and evaluation, each Working Interest Owner shall be credited with the value of its interest in all personal property taken over under paragraphs 10.1.1 and 10.1.2 and shall be charged with an amount equal to that obtained by multiplying the total value of all personal property taken over under paragraph 10.1.2 by such Working Interest Owner's Unit Participation. If the charge against any Working Interest Owner is greater than the amount credited to such Working Interest Owner, the resulting net charge shall be an item of Unit Expense chargeable against such Working Interest Owner. If the credit to any Working Interest Owner is greater than the amount charged against such Working Interest Owner, the resulting net credit shall be paid to such Working Interest Owner by Unit Operator out of funds received by it in settlement of the net charges described above. Each Working Interest Owner, instead of owning an interest in all its personal property delivered to the Unit Operator under paragraph 10.1, will be considered as having exchanged such interest for an undivided interest in all personal property so delivered to the Unit Operator, subject to the investment adjustment herein provided.

10.4 **General Facilities**: The acquisition of warehouses, warehouse stocks, lease houses,

camp, facility systems, and office buildings necessary for Unit Operations shall be, by negotiations by the owners thereof and Unit Operator, subject to the approval of the Operating Committee. There shall be no adjustment for lease roads or appurtenances thereto.

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

10.6 Adjustment for Non-Usable Wells: All wells delivered to the Unit Operator as usable wells shall be (a) in usable physical condition, (b) completed in some portion of the Unitized Formation, and (c) physically separated from formations not a part of the Unitized Formation as of the Effective Date. The Operating Committee will within six (6) months after the Effective Date, determine which wells are in non-usable physical condition. The cost of placing any such well in usable physical condition, or physically separating non-Unitized Formations, shall be charged to the Lessee or Lessees owning the well immediately prior to the Effective Date, such work is to be performed by the Unit Operator.

ARTICLE 11 UNIT EXPENSE

11.1 Basis of Charge to Working Interest Owner: The Unit Operator initially shall pay all pre-Unitization Expenses and such expenses shall be considered Unit Expense. All charges, credits, and accounting for Unit Expense shall be in accordance with Exhibits "E" and "H". Each Working Interest Owner shall reimburse the Unit Operator for its share of Unit Expense. Each Working Interest Owner's share of all operating expenses shall be the same as its Unit Participation in effect at the time the expense was incurred.

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

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

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

11.5 Unpaid Unit Expense: If any Working Interest Owner fails or is unable to meet promptly its financial obligation in connection with the Unit, the unpaid balance of its share of Unit Expense shall be carried and paid by all non-defaulting working Interest Owners subject to the provisions of paragraph 11.8 herein who are signatory of this Plan of Unitization in the proportion that the Unit Participation of each bears to the total such Unit Participation of all such Working Interest Owners. Such amount shall bear interest at the rate of prime plus two percent (2%) per annum (as determined by current prime interest rate charged by Bank One Oklahoma, NA, Oklahoma City, Oklahoma), or such maximum rate as permitted by law, whichever is lesser, until paid. Working Interest Owners so paying shall be reimbursed therefor, together

with interest thereon, when the amount so carried and the interest thereon are collected from the Working Interest Owners primarily chargeable therewith. The amount carried shall be due and payable out of the proceeds from the defaulting Working Interest Owner's share of Unitized Substances, including, to the extent provided for in the State of New Mexico Statutory Unitization Statutes, overriding royalty interests, oil and gas payments, or other interests in excess of one eighth (1/8) royalty interest to which such Working Interest Owner's interest is subject. During the time that any Working Interest Owner fails to pay its share of the Unit Expense, the Unit Operator without prejudice to other existing remedies shall be entitled to collect and receive from the purchaser the proceeds from such Working Interest Owner's share of the Unitized Substances. All credits to any such defaulting Working Interest Owner on account of the sale or other disposal of Unit Equipment, or otherwise, shall also be applied against the unpaid share of Unit Expense charged against such Lessee.

11.6 Lien, Security Interest and Right of Foreclosures: The Unit and the Working Interest Owner's who pay a portion of Unit Expense on behalf of a carried Working Interest Owner shall have a first and prior lien and security interest upon the carried Working Interest Owner's leasehold interest and the other Oil and Gas Rights (exclusive of a 1/8 royalty interest) within the Unit Area, as well as the carried Working Interest Owner's share of the Unit Production, and all Unit Equipment in possession of the Unit, to secure payment of all Unit Expense properly charged to the carried Working Interest Owner. If the owner of any excess royalty interest, overriding royalty, oil and gas payment, or other interest, which under this Plan of Unitization is not primarily responsible for costs and expenses, pays any part of Unit Expense for the purpose of protecting such interest, or if the amount of such Unit Expense in whole or in part is deducted from the Unitized Substances credited to such interest, the owner shall, to the extent of such payment or deduction, be subrogated to all the rights of the Unit, the Unit Operator and other Working Interest Owners with respect to the interest primarily chargeable with such expense. The lien and security interest herein provided shall be for the use, benefit, and protection of the Unit, Unit Operator, and other Working Interest Owners or Persons entitled to receive or share in the monies, the payment of which is secured thereby; and the Unit, the Unit Operator, or any of the Working Interest Owners who have made payment of the Unit Expense, or part thereof for the carried Working Interest Owner, shall be entitled to exercise all lien rights, including the right of foreclosure. The lien may be foreclosed at any time after a Working Interest Owner has been carried for a maximum period of sixty (60) days from the date of billing and all or a portion of the account remains unpaid by the carried Lessee.

11.7 Carved-Out Interest: In the event any Working Interest Owner shall, after executing this Plan, create an overriding royalty, production payment, net profits, or carved-out interest, or any other interest out of its interest then subject to this Plan, such carved-out interest shall be subject to the terms and provisions of this Plan. In the event the Working Interest Owner owning the interest out of which the carved-out interest was created fails to pay any costs or expense chargeable to such Working Interest Owner under this Plan and the production to the credit of such Working Interest Owner is insufficient for that purpose, the owner of the carved-out interest will be liable for its pro rata portion of all costs and expenses for which the working Interest Owner that created such carved-out interest would have been liable hereunder by virtue of such Working Interest Owner's entire original interest, just as though such carved-out interest had not been created. In this event, the lien provided in paragraph 11.6 hereof may be enforced against such carved-out interest in the same manner as if the lien was enforceable against the original interest out of which the carved-out interest was created. If, at any time, the interest of any party is divided among and owned by four(4) or more co-owners, the Unit 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 Plan; 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 Unit Area and they shall have the right to receive, separately, payment of the sale proceeds thereof. If such co-owners fail to appoint said trustee or agent upon request of the Unit Operator, then the Unit Operator, at its discretion, may designate one of said

co-owners as said trustee or agent.

11.7.1 Other Remedies: In addition to the foregoing remedies, with respect to any Working Interest Owner carried in the payment of its share of the Unit Expense when due, the Unit Operator shall, for itself, the paying Working Interest Owners and the Unit, during the period of such carry, be entitled to the following rights:

a) To itself purchase the share of Unit Production of any such carried Working Interest Owner, including all overriding royalties, oil and gas payments and other interests in excess of the normal one eighth (1/8) royalty interest to which such carried Working Interest Owner's share of Unit Production is subject, at the prevailing market price in the field which shall, in no event, be less than the price received by the Unit Operator for its portion of the Unit Production; and,

b) To collect and receive from the purchaser thereof, the proceeds from the sale of such carried Working Interest Owner's share of Unit Production, including all overriding royalties, oil and gas payments, and other interests in excess of the normal one eighth (1/8) royalty interest to which such carried Lessee's share of Unit Production is subject.

11.8 Credits: The Unit Operator shall apply all proceeds collected by it, pursuant to the provisions of paragraph 11.7, against the unpaid Unit Expense due from such carried Lessee, the balance of such proceeds, if any, to be paid to such carried Lessee.

ARTICLE 12 NON-CONSENT PROVISION

12.1 Election: It is understood and agreed that any Working Interest Owner may elect to be carried hereunder, subject to the following terms and conditions: When Unit Operator circulates the Unit Operating Agreement for execution, Unit Operator shall also circulate a ballot under which a party may elect: (a) whether it wishes to be carried; and (b) if it elects not to be carried, the amount of Working Interest as to which it is willing to assume additional participation pursuant to the terms hereof. Failure to return said ballot shall be deemed an election to be carried. In the event that, following the receipt of the Working Interest Owners' ratifications by Unit Operator, the Working Interest Owners, collectively, have not agreed to assume participation as to one hundred percent (100%) of the Working Interest, Unit Operator shall give all Working Interest Owners that have elected to Participate the option to increase the amount of additional participation they are willing to assume within ten (10) days of receiving notice of such option. Thereafter, Unit Operator may elect to assume additional participation. If, following such contact, the Working Interest Owners, collectively, have still not agreed to assume participation as to one hundred percent (100%) of the Working Interest, Unit Operator shall not proceed with the Unitization which is the subject of this agreement. It is understood and agreed that, if the Unit Operating Agreement and the Unit Agreement do become effective under the respective terms thereof, and any parties that did not previously ratify the Unit Operating Agreement and the Unit Agreement, nevertheless become Working Interest Owners as a result of the Oil Conservation Division of the State of New Mexico (the "Division") approving this Unit pursuant to the New Mexico Statutory Unitization Act, such Working Interest Owners shall have the right to elect to participate in the Unit and to elect an amount of additional participation that they are willing to assume within thirty (30) days after said approval by the Division. Once all parties have made the elections allowed under the provisions hereof, the interest of those Working Interest Owners that have elected to be carried shall be allocated among those Working Interest Owners that have elected to participate in proportion to their Working Interest in the Unit, provided that no Working Interest Owner shall be allocated any additional participation in excess of the amount of participation which said Working Interest Owner has elected to assume.

12.2 Non-Consent Penalty: The entire cost and risk of conducting operations shall be borne by the

Working Interest Owners in the proportion that they have elected to participate pursuant to the terms hereof (hereinafter, such Working Interests Owners shall be referred to as "Consenting Parties"). Each Working Interest Owner that has elected to be carried (hereinafter, such Working Interest Owners shall be referred to as "Non-Consenting Parties") 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 Parties' share of Unit Production (including its share of any Outside Substances produced and sold) until the proceeds of the sale of such share, calculated at the well, or the market value thereof if such share is not sold (after deducting production taxes, excise taxes, royalty or/and overriding royalty payable out of or measured by the production from such well accruing with respect to such interest) shall equal the Unit Expense accruing for such interest plus an amount equal to 200% of all such Unit Expense allocated to such Non-Consenting Parties' Working Interest, it being further understood and agreed that the unpaid balance of any amount payable out of a Non-Consenting Party's interest hereunder (including the additional 200% of such expenses provided for above) shall bear interest at the rate of 2% above prime rate as established by Bank One of Oklahoma, N.A. to be determined monthly, or at the maximum contract rate permitted by the applicable usury laws, whichever is the lesser.

12.3 Handling of Inventory Adjustment for Non-Consent Parties: It is understood and agreed that Unit Operator shall promptly provide Working Interest Owners with notification of the approval of the inventory and valuation pursuant to Article 10, and that, with regard to any Working Interest Owner that has elected to be carried under Section 12.1, and has not had its Working Interest revert to it pursuant to the terms hereof, the following shall apply: (i) if such Working Interest Owner has a net charge against its interest following the inventory adjustment, such charge shall be considered an expense in the month in which the inventory adjustment is applied and shall be treated as any other expense under Sections 12.1 and 12.2 (ii) if such Working Interest Owner has a net credit against its interest following the inventory adjustment, the amount of such credit shall be applied to the outstanding balance of such Working Interest Owner in the same manner as revenue in the month in which the inventory adjustment is applied, and if the amount of such credit is sufficient for the Working Interest of such Working Interest Owner to revert to it pursuant to the terms hereof, such Working Interest shall revert, and the amount of any net credit remaining shall be paid to Working Interest Owner.

12.4 Payoff of Non-Consent Party's Unpaid Balance: Any Non-Consenting Party shall have the right, at any time, to pay off the amount of its net unpaid balance and, in the event that any Non-Consenting Party exercises this right, the Working Interest of such Non-Consenting Party shall revert to it on the month following the month of such payment.

ARTICLE 13 NON-UNITIZED FORMATIONS

13.1 Right to Operate: Any Working Interest Owner that now has, or hereafter acquires, the right to drill for and produce oil, gas or other minerals other than from the Unitized Formation shall have the right to do so notwithstanding this Plan of Unitization. In exercising the right, however, the Working Interest Owner shall exercise reasonable precaution to prevent unreasonable interference with Unit Operations. No Working Interest Owner shall produce Unitized Substances through any well drilled or operated by it. If any Working Interest Owner drills any well(s) into or through the Unitized Formation, the Unitized Formation shall be protected in a manner satisfactory to the Operating Committee so that the production of Unitized Substances will not adversely be affected.

13.2 Multiple Completions: No well now or hereafter completed in the Unitized Formation shall ever be completed as a multiple completion with the Unitized Formation and any other formation unless such multiple completion and the subsequent handling of the multiple completion is approved by Working Interest Owners in accordance with the voting procedure set out in Section 4.3.2 of this Agreement.

ARTICLE 14 TITLES

14.1 Title Information: The Working Interest Owners of a Tract shall furnish and make available to the Operating Committee or the Unit Operator the most recent title opinion and supporting documents, which may or may not include updated abstracts to title, together with all other title information in the possession of such Lessees, affecting their title and that of their Royalty Owners to the Oil and Gas Rights in and to such Tract.

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

14.3 Failure Because of Unit Operations: The failure of title to any Working Interest in any Tract because of Unit Operations, including nonproduction from such Tract, shall not change the Unit Participation of the Working Interest owner whose title failed in relation to the Unit Participation of the other Working Interest Owners at the time of the title failure.

ARTICLE 15 LIABILITY, CLAIMS, AND SUITS

15.1 Individual Liability: The duties, obligations, and liabilities of Working Interest Owners shall be several and not joint or collective; and nothing herein contained shall ever be construed as creating a partnership of any kind, joint venture, association, or trust among Working Interest Owners. Each party here to shall be individually responsible for its own obligations as herein provided.

15.2 Settlements: Unit Operator may settle any single damage claim or suit involving Unit Operations if the expenditure does not exceed fifty thousand dollars (\$50,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above specified amount, Working Interest Owners shall assume and take over the further handling of the claim or suit unless such authority is expressly delegated Unit Operator. All costs and expense of handling, settling, or otherwise discharging such claim or suit shall be an item of Unit Expense. If a claim is made against any Working Interest Owner or if any Working Interest Owner is sued on account of any matter arising from Unit Operations over which such Working Interest Owner individually has no control because of the rights given Working Interest Owners and Unit Operator by this agreement and the Unit Agreement, the Working Interest Owner shall immediately notify the Unit Operator, and the claim or suit shall be treated as any other claim or suit involving Unit Operations.

15.3 Indemnification of Unit Operator: The Working Interest Owners agree to indemnify and hold harmless the Unit Operator from each of the following losses:

(a) Bankruptcy or misappropriation of funds by a drilling contractor to whom a prepayment of intangible drilling costs has been paid for a well to be drilled in a subsequent year. The loss of such prepayment shall constitute an individual loss to the parties making such prepayment.

(b) Any adverse loss or tax consequence incurred as a result of a tax court or any other governmental agency not allowing the deduction of any intangible investment, for any reason.

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

ARTICLE 16 INTERNAL REVENUE PROVISION

16.1 Internal Revenue Provision: Each Lessee hereby elects that it and the operations covered by this Plan of Unitization be excluded from the application of Subchapter K of Chapter I of Subtitle A of the Internal Revenue Code of 1986, as amended, or such portion thereof as the Secretary of the Treasury of the United States or his delegate shall permit by election to be excluded therefrom. The Unit Operator is hereby authorized and directed to execute on behalf of each Lessee such additional or further evidence of said election as may be required by regulations issued under said Subchapter K, or should said regulations require each Person to execute such further evidence; each Lessee shall execute or join in the execution thereof. The election hereby made and the other provisions of this Article shall apply in like manner to applicable state laws, regulations, and rulings now in effect. In making this election each of the Lessees hereto hereby states that the income derived by it from the operations under this Plan of Unitization can adequately be determined without the computation of partnership taxable income.

16.2 Governmental Fines, Penalties: All fines, interest, penalties, etc., leveled by the Department of energy or other governing authority shall be paid for out of the Joint Account. Furthermore, if the DOE determines an overcharge has occurred, each party agrees to pay to Unit Operator his share of the overcharge. Unit Operator shall forward this payment to the Agency. If any Overriding Royalty Interest or Royalty Interest Owner refuses to pay his share of the overcharge; then (1) his share of the overcharge shall be charged to the Joint Account; and, (2) if he later pays his share, either with cash or production, the Joint Account will be reimbursed.

ARTICLE 17 NOTICES

17.1 Notices: All notices required hereunder shall be in writing and shall be deemed to have been properly served when sent by mail, telegram, telex, or electronic means to the address of the representative of each Working Interest Owner on the Operating Committee as furnished to the Unit Operator in accordance with Article 3.1 of this agreement.

17.2 Notice of Transfer of Title: No change of title shall be binding on the Unit or the Unit Operator until the first day of the calendar month next succeeding the date of receipt by the Unit Operator of evidence satisfactory to it of change of such ownership. Each such transfer, assignment or conveyance, whether so stating or not, shall operate to impose upon the Person or Persons acquiring such interest the obligation of the predecessor in interest with respect to the interest so transferred and shall likewise operate to give and grant to the Person or Persons acquiring such interest all benefit attributable hereunder to such interest.

ARTICLE 18 WITHDRAWAL OF WORKING INTEREST OWNER

18.1 Withdrawal: A Working Interest Owner may withdraw from this Agreement by transferring, without warranty of title either express or implied, to the Working Interest Owners who do not desire to withdraw all its Oil and Gas Rights, exclusive of Royalty Interests, together with its interest in all Unit Equipment and in all wells used in Unit Operations, provided that such transfer shall not relieve such Working Interest Owner from any obligation or liability incurred prior to the first day of the month following receipt by Unit Operator of such transfer. The delivery of the transfer shall be made to Unit Operator for the transferees. The transferred interest shall be owned by the transferees, in proportion to the respective interests so acquired, shall pay the transferor for its interest in Unit Equipment, the salvage value thereof less its share of the estimated cost of salvaging same and of plugging and abandoning all wells then being used or held for Unit Operations, as determined by Working Interest Owners. In the event such withdrawing owner's interest in the aforesaid salvage value is less than such owner's share of such estimated costs, the withdrawing owner, as a condition precedent to withdrawal, shall pay the Unit Operator, for the benefit of Working Interest Owners succeeding to its interest, a sum equal to the deficiency. Within sixty (60) days after receiving delivery of the transfer, Unit Operator shall render a final statement to the withdrawing owner for its share of Unit Expense, including any deficiency in salvage value as determined by Working Interest owners, incurred as of the first day of the month following the date of receipt of the transfer. Provided all Unit Expense, including any deficiency hereunder, due from the withdrawing owner has been paid in full within thirty (30) days after the rendering of such final statement by the Unit Operator, withdrawing owner shall be relieved from all further obligations and liabilities hereunder and under the Unit Agreement, and the rights of the withdrawing Working Interest Owner hereunder and under the Unit Agreement shall cease insofar as they existed by virtue of the interest transferred.

18.2 Restriction of Disposition and Withdrawal: A Working Interest Owner shall not make any disposition of a Working Interest which does not include a corresponding interest in the Unit Equipment. No Working Interest shall be owned apart from a corresponding interest in the Unit Equipment and vice versa. Notwithstanding anything set forth herein, Working Interest Owners may refuse to permit the withdrawal of a Working Interest Owner if its Working Interest is burdened by any royalties, overriding royalties, production payments, net proceeds interest, carried interest, or any other interest created out of the Working Interest in excess of 18.75% unless the other Working Interest Owners willing to accept the assignment agree to accept the Working Interest subject to such burdens. No Working Interest Owner shall be relieved of its obligations hereunder during a blowout, a fire, or other emergency, but may withdraw from this agreement after termination of such emergency, provided such Working Interest Owner shall remain liable for its share of all costs arising from said emergency.

ARTICLE 19 ABANDONMENT OF WELLS

19.1 Rights of Former Owners: If the Operating Committee elects to permanently abandon any Unit well prior to termination of the Unit, the Unit Operator shall give notice thereof to the Working Interest Owners of the Tract on which the well is located, and they shall have the option for a period of sixty (60) days after the sending of such notice to notify the Unit Operator in writing of their election to take over and own the

well. Within ten (10) days after the Working Interest Owners of the Tract have notified the Unit Operator of their election to take over the well, they shall pay the Unit Operator, for credit to the joint account, the amount estimated by the Operating Committee to be the net salvage value of the equipment in and on the well. The Working Interest Owners of the Tract, by taking over the well, agree to promptly and effectively seal off and protect the Unitized Formation in a manner satisfactory to the Operating Committee, and upon abandonment to plug the well in compliance with applicable laws and regulations.

19.2 Plugging: If the Working Interest Owners of a Tract do not elect to take over a well located within the Unit Area that is proposed for abandonment, Unit Operator shall plug and abandon the well in compliance with applicable laws and regulation of the Oil Conservation Division of the State of New Mexico with the expense of plugging be charge to the joint account.

ARTICLE 20 MAINTENANCE OF UNIFORM INTEREST

20.1 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 lease embraced within the Unit 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 Unit 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 Unit Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

ARTICLE 21 EFFECTIVE DATE AND TERM

21.1 Effective Date: This Agreement shall become effective when the Unit Agreement becomes effective. Upon its effective date, this Unit Operating Agreement shall supercede and supplant any and all previously existing operating agreements covering the Unitized Formation, or any portion thereof.

21.2 Term: This agreement shall continue in effect so long as the Unit Agreement remains in effect, and thereafter until (a) all Unit wells have been plugged and abandoned or turned over to Working Interest owners in accordance with Article 19 and Article 21; and (b) all Unit Equipment and real property acquired for the joint account have been disposed of by Unit Operator in accordance with instructions of Working Interest Owners; and, (c) there has been a final accounting.

ARTICLE 22 ABANDONMENT OF OPERATIONS

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

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

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

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

22.1.4 Plugging and Abandoning Wells: The responsibility and expense of plugging and abandoning all wells not taken over by individual Working Interest Owners pursuant to Paragraph 22.1.2 hereof, shall be borne by the Working Interest Owners. It is expressly understood that upon termination of this Unit Agreement, the responsibility and expense of plugging wells in compliance with all applicable laws and regulations shall rest with all of the Working Interest Owners of the Unit.

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

22.1.6 Obligations Payable After Termination: If any liability or obligation incurred prior to termination of the Unit shall accrue and become payable thereafter, the account shall be borne and paid as Unit Expense in the same manner as if it had accrued prior to termination of the Unit.

ARTICLE 23 RIGHTS OF WAY AND EASEMENTS

23.1 Assignment to Unit Operator: Each Working Interest Owner having rights of way, easements or leasehold interest in surface sites necessary for Unit Operations hereby agrees to assign, to the extent of its right and interest, to Unit Operator for the benefit of the Working Interest Owners, a non-exclusive right and interest in and to such interest.

23.2 Rental Payments: The owners of such interest agree to make any rental payments which may become due to avoid termination of any such interest for failure to make such payment prior to thirty (30) days beyond the date formal assignment of such interest to Unit Operator is accomplished as described in Section 22.1 above. Any payments made under this paragraph shall be considered a direct charge under Unit Expense.

23.3 Rights of Unit Operator: Such interest described in Section 21.1 above, shall continue with Unit Operator for so long as such are used for Unit Operations.

ARTICLE 24 EXECUTION

24.1 Original, Counterpart, or Other Instrument: An owner of a Working Interest may become a party to this agreement by signing the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof. The signing of any instrument shall have the same effect as if

all the parties had signed the same instrument.

ARTICLE 25
SIGNING, RATIFICATION OR APPROVAL

25.1 Original, Counterparts or Ratification: This Plan of Unitization may be signed, ratified or approved by signing the original of this instrument, a counterpart, or other instrument adopting the provisions hereof, all with the same effect as if a Person had signed the same instrument. Persons signing, ratifying or otherwise approving this Plan of Unitization thereby agree to all the provisions thereof.

25.2 Joinder in Dual Capacity: The signing, ratification or approval of this Plan of Unitization as herein provided by any Person as either a Lessee or as a Royalty Owner shall commit all interests that may be owned or controlled by such Person.

25.3 Heirs, Successors and Assigns: The signing, ratification or approval of this Plan of Unitization shall be binding upon the heirs, personal representatives, successors and assigns of the Persons so signing, ratifying or approving the same.

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 1 A,B,C 1.15822117				Tract 2 0.016338706				Tract 3 0.965487941			
	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI
	ABC Petroleum	0.03000000	0.03474664	0.02625000	0.03040331	0.03600000	0.00058819	0.02928000	0.00047840	0.02700000	0.02606817	0.02250000
Blake Arnold												
Blanco Company												
Cardinal River Energy Co					0.03000000	0.00049016	0.02440000	0.00039866	0.02250000	0.02172348	0.01875000	0.01810290
Charles B. Read												
Chesapeake Energy	0.80000000	0.92657694	0.70000000	0.81075482	0.55500000	0.00906798	0.44030000	0.00719393	0.68500000	0.66135924	0.53918333	0.52057500
Chesapeake Investments	0.02500000	0.02895553	0.02187500	0.02533609								
Claude C. Arnold	0.12000000	0.13898654	0.10500000	0.12161322	0.14400000	0.00235277	0.11712000	0.00191359	0.10800000	0.10427270	0.09000000	0.08688939
David C. Story					0.00600000	0.00009803	0.00488000	0.00007973	0.00450000	0.00434470	0.00375000	0.00362058
Energen Resources Corp					0.09600000	0.00156852	0.07808000	0.00127573	0.07200000	0.06951513	0.06000000	0.05792928
H J Freede, Inc.												
J C Henderson					0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
J Durwood Pate Trust Dated Various												
Jack Ahlen					0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
James D. Pate, Jr Trust Dated Various												
Jerry Dickson												
Joe H. Pate Trust					0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
Larry Fenley					0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
Monarch Resources, LLC					0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
MYCO Industries												
Patrica Dimsha												
Robert & Dawn Willis												
Rehoboth Inc.					0.03600000	0.00058819	0.02928000	0.00047840	0.02700000	0.02606817	0.02250000	0.02172348
Stanley J. Dimsha												
Stephen R. Howard					0.02500000	0.00040847	0.02033333	0.00033222				
TLW Investments												
Tropical Minerals, Inc.	0.02500000	0.02895553	0.02187500	0.02533609	0.01200000	0.00019606	0.00976000	0.00015947	0.00900000	0.00868939	0.00750000	0.00724116
Unleased												
Yates Drilling												
Yates Petroleum												
	1.00000000	1.15822117	0.87500000	1.01344352	1.00000000	0.01633871	0.80223333	0.01310745	1.00000000	0.96548794	0.80168333	0.77401559

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 4 4.676262851				Tract 5 2.299570823				Tract 6 4.411289643			
	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF
	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF
ABO Petroleum	0.02700000	0.12625910	0.02250000	0.10521591	0.02700000	0.06208841	0.02250000	0.05174034	0.02700000	0.11910482	0.02250000	0.09925402
Blaque Arnold	0.03775834	0.17656792	0.03019376	0.14119396	0.02250000	0.05174034	0.01875000	0.04311695	0.02342325	0.10332674	0.01951938	0.08610564
Bianco Company	0.57091495	2.66974837	0.45157150	2.11166703	0.68500000	1.57520601	0.53918330	1.23989018	0.65904560	2.90724103	0.51978652	2.29292889
Cardinal River Energy Co	0.02500000	0.11690657	0.01977403	0.09246856	0.02500000	0.11690657	0.09000000	0.20696137	0.02500000	0.11028224	0.01971740	0.08697916
Charles B. Read	0.10800000	0.50503639	0.09000000	0.42086366	0.10800000	0.24835365	0.09000000	0.20696137	0.10800000	0.47641928	0.09000000	0.39701607
Chesapeake Energy	0.00450000	0.02104318	0.00375000	0.01753599	0.00450000	0.01034807	0.00375000	0.00862339	0.00458465	0.02066535	0.00390388	0.01722115
Chesapeake Investments	0.07200000	0.33669093	0.06000000	0.28057577	0.07200000	0.16556910	0.06000000	0.13797425	0.07200000	0.31761285	0.06000000	0.26467738
Claude C. Arnold	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
David C. Story	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
Energen Resources Corp	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
H J Freede, Inc.	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
J C Henderson	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
J Durwood Pate Trust Dated Various	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
Jack Ahlen	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
James D. Pate, Jr Trust Dated Various	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
Jerry Dickson	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678				
Joe H. Pate Trust	0.00900000	0.04208637	0.00750000	0.03507197	0.00900000	0.02069614	0.00750000	0.01724678	0.00900000	0.03970161	0.00750000	0.03308467
Larry Fenity	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678	0.00936930	0.04133070	0.00780775	0.03444225
Monarch Resources, LLC	0.04531001	0.21188152	0.03623251	0.16943274	0.02700000	0.06208841	0.02250000	0.05174034	0.02810790	0.12399209	0.02342325	0.10332674
MYCO Industries	0.02500000	0.11690657	0.01977403	0.09246856	0.02500000	0.11690657	0.00900000	0.02069614	0.02500000	0.11028224	0.01971740	0.08697916
Patricia Dimsha	0.01510334	0.07062719	0.01207750	0.05647756	0.00900000	0.02069614	0.00750000	0.01724678	0.00936930	0.04133070	0.00780775	0.03444225
Robert & Dawn Willis												
Rehoboth Inc.												
Stanley J. Dimsha												
Stephen R. Howard												
TLW Investments												
Tropical Minerals, Inc.												
Unleased												
Yates Drilling												
Yates Petroleum	1.00000000	4.67626285	0.80168333	3.74888197	1.00000000	2.29957082	0.80168333	1.84352753	1.00000000	4.41128964	0.80168333	3.53645737

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 7 0.204389616				Tract 8 9.80489069				Tract 9 0.05318492			
	WI	TPF	WI	TPF NRI	WI	TPF	WI	TPF NRI	WI	TPF	WI	TPF NRI
ABO Petroleum	0.10000000	0.02043896	0.08333333	0.01703247								
Blake Arnold												
Bianco Company												
Cardinal River Energy Co												
Charles B. Read												
Chesapeake Energy												
Chesapeake Investments												
Claude C. Arnold												
David C. Story												
Energen Resources Corp												
H J Freede, Inc.												
J C Henderson												
J Durwood Pate Trust Dated Various												
Jack Ahlen												
James D. Pate, Jr Trust Dated Various												
Jerry Dickson												
Joe H. Pate Trust												
Larry Fenity												
Monarch Resources, LLC												
MYCO Industries												
Patricia Dimsha												
Robert & Dawn Willis												
Rehoboth Inc.												
Stanley J. Dimsha												
Stephen R. Howard												
TLW Investments												
Tropical Minerals, Inc.												
Unleased												
Yates Drilling												
Yates Petroleum												
	0.10000000	0.02043896	0.08333333	0.01703247	0.99000000	9.70684178	0.81575000	7.99833958	0.03000000	0.00159555	0.02381250	0.00126647
	0.70000000	0.14307273	0.58333333	0.11922728					0.02500000	0.00132962	0.01984375	0.00105539
	1.00000000	0.20438962	0.83333333	0.17032468	0.01000000	0.09804891	0.00825000	0.08089035	0.65000000	0.03457020	0.49537500	0.02634648
					0.10000000	0.02043896	0.08333333	0.01703247	0.12000000	0.00638219	0.09525000	0.00506586
									0.00500000	0.00226592	0.00396875	0.00021108
									0.08000000	0.00425479	0.06350000	0.00337724
									0.01000000	0.00053185	0.00793750	0.00042216
									0.01000000	0.00053185	0.00793750	0.00042216
									0.01000000	0.00053185	0.00793750	0.00042216
									0.01000000	0.00053185	0.00793750	0.00042216
									0.03000000	0.00159555	0.02381250	0.00126647
									0.01000000	0.00053185	0.00793750	0.00042216
									1.00000000	0.05318492	0.77318750	0.04112192

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction	Tract 10 6.101053971				Tract 11 8.826466852				Tract 12 2.605165351			
	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI
	Working Interest Owner											
ABO Petroleum	0.05280000	0.32213565	0.03907200	0.23838038	0.08556350	0.75522340	0.06409190	0.56570503	0.10470438	0.27277221	0.07854792	0.20463032
Blake Arnold												
Blanco Company	0.02000000	0.12202108	0.01500000	0.09151581	0.03241040	0.28606932	0.02447770	0.21605161	0.03966078	0.10332289	0.02995530	0.07803252
Cardinal River Energy Co												
Charles B. Read	0.72000000	4.39275886	0.54970000	3.35374937	0.54625400	4.82149282	0.41701240	3.68074613	0.68222499	1.77730891	0.51429050	1.33981179
Chesapeake Energy												
Chesapeake Investments	0.06720000	0.40999083	0.04972800	0.30339321	0.10889900	0.96119341	0.08157303	0.72000165	0.13326016	0.34716474	0.09997008	0.26043859
Claude C. Arnold												
David C. Story	0.00400000	0.02440422	0.00300000	0.01830316	0.00648210	0.05721404	0.00489550	0.04320997	0.00645554	0.01681775	0.00487540	0.01270122
Energen Resources Corp												
H J Freede, Inc.	0.06400000	0.39046745	0.04800000	0.29285059	0.10371330	0.91542200	0.07832860	0.69136479				
J C Henderson												
J Durwood Pate Trust Dated Various	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979110	0.08642082				
Jack Ahlen												
James D. Pate, Jr Trust Dated Various	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979110	0.08642082				
Jerry Dickson												
Joe H. Pate Trust	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979110	0.08642082				
Larry Fenity	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979110	0.08642082	0.00800000	0.02084132	0.00600000	0.01563099
Monarch Resources, LLC	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979100	0.08641994	0.00982983	0.02560833	0.00738190	0.01923107
MYCO Industries												
Patricia Dimsha												
Robert & Dawn Willis												
Riehoboth Inc.	0.02400000	0.14642530	0.01800000	0.10981897	0.03889250	0.34328336	0.02937320	0.25926158				0.00000000
Stanley J. Dimsha												
Stephen R. Howard												
TLW Investments	0.00800000	0.04880843	0.00600000	0.03660632	0.01296420	0.11442808	0.00979110	0.08642082	0.01586433	0.04132920	0.01198120	0.03121301
Tropical Minerals, Inc.												
Unleased												
Yates Drilling												
Yates Petroleum												
	1.00000000	6.10105397	0.75850000	4.62764944	1.00000000	8.82646685	0.75849883	6.69486478	1.00000000	2.60516535	0.75300000	1.96168851

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 13 3.5744812				Tract 14 1.994327833				Tract 15 4.454748162			
	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI
ABO Petroleum	0.02400000	0.08578755	0.01776000	0.06348279	0.02400000	0.04786387	0.01776000	0.03541926	0.05280000	0.23521070	0.03907200	0.17405592
Blake Arnold												
Bianco Company												
Cardinal River Energy Co	0.02000000	0.07148962	0.01500000	0.05361722	0.02000000	0.03988656	0.01500000	0.02991492	0.02000000	0.08909496	0.01500000	0.06682122
Charles B. Read												
Chesapeake Energy	0.72000000	2.57362646	0.54970000	1.96489232	0.72000000	1.43591604	0.54970000	1.09628201	0.72000000	3.20741868	0.54970000	2.44877506
Chesapeake Investments												
Claude C. Arnold	0.09600000	0.34315020	0.07104000	0.25393114	0.09600000	0.19145547	0.07104000	0.14167705	0.06720000	0.29935908	0.04972800	0.22152572
David C. Story	0.00400000	0.01429792	0.00300000	0.01072344	0.00400000	0.00797731	0.00300000	0.00598298	0.00400000	0.01781899	0.00300000	0.01336424
Energy Resources Corp												
H J Freede, Inc.	0.06400000	0.22876680	0.04800000	0.17157510	0.06400000	0.12763698	0.04800000	0.09572774	0.06400000	0.28510388	0.04800000	0.21382791
J C Henderson												
J Dunwood Pate Trust Dated Various	0.00800000	0.02859585	0.00600000	0.02144689	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
Jack Ahlen												
James D. Pate, Jr Trust Dated Various	0.00800000	0.02859585	0.00600000	0.02144689	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
Jerry Dickson												
Joe H. Pate Trust	0.00800000	0.02859585	0.00600000	0.02144689	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
Larry Fenity	0.00800000	0.02859585	0.00600000	0.02144689	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
Monarch Resources, LLC	0.00800000	0.02859585	0.00600000	0.02144689	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
MYCO Industries												
Patrica Dimsha												
Robert & Dawn Willis												
Rehoboth Inc.	0.02400000	0.08578755	0.00600000	0.02144689	0.02400000	0.04786387	0.01800000	0.03589790	0.02400000	0.10691396	0.01800000	0.08018547
Stanley J. Dimsha												
Stephen R. Howard												
TLW Investments												
Tropical Minerals, Inc.	0.00800000	0.02859585	0.01800000	0.06434066	0.00800000	0.01595462	0.00600000	0.01196597	0.00800000	0.03563799	0.00600000	0.02672849
Unleased												
Yates Drilling												
Yates Petroleum	1.00000000	3.57448120	0.75850000	2.71124399	1.00000000	1.99432783	0.75850000	1.51269766	1.00000000	4.45474816	0.75850000	3.37892648

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 16 6.13974717				Tract 17 12.06969476				Tract 18 2.284428454			
	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI
	ABO Petroleum	0.03000000	0.18419242	0.02355000	0.14459105	0.06600000	0.79659985	0.05181000	0.62533089	0.06487171	0.14619478	0.05076079
Blake Arnold												
Blanco Company												
Cardinal River Energy Co	0.02500000	0.15349368	0.01984370	0.12183530	0.02500000	0.30174237	0.01984370	0.23950740	0.00854700	0.01952501	0.00747860	0.01708433
Charles B. Read												
Chesapeake Energy	0.60000000	3.68384830	0.45656250	2.80317832	0.65000000	7.84530159	0.49537500	5.97902504	0.02457260	0.05613435	0.01942710	0.04437982
Chesapeake Investments	0.02500000	0.15349368	0.01940625	0.11914947					0.00854700	0.01952501	0.00747860	0.01708433
Claude C. Arnold	0.12000000	0.73678966	0.09420000	0.57836418	0.08400000	1.01385436	0.06594000	0.79587567	0.63888890	1.45949598	0.48634940	1.11103041
David C. Story	0.00500000	0.03069874	0.00396880	0.02436743	0.00500000	0.06034847	0.00396880	0.04790220				
Energen Resources Corp												
H J Freede, Inc.	0.08000000	0.49117977	0.06350000	0.38987395	0.08000000	0.96557558	0.06350000	0.76642562	0.07863250	0.17963032	0.06216670	0.14201538
J C Henderson												
J Durwood Pate Trust Dated Various	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
Jack Ahlen												
James D. Pate, Jr. Trust Dated Various	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
Jerry Dickson												
Joe H. Pate Trust	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
Larry Fenity	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
Monarch Resources, LLC	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
MYCO Industries												
Patrica Dimsha												
Robert & Dawn Willis												
Rehoboth Inc.	0.03000000	0.18419242	0.02381250	0.14620273	0.03000000	0.36209084	0.02381250	0.28740961	0.02948710	0.06736117	0.02331250	0.05325574
Stanley J. Dimsha												
Stephen R. Howard												
TLW Investments	0.02500000	0.15349368	0.01940625	0.11914947								
Tropical Minerals, Inc.	0.01000000	0.06139747	0.00793750	0.04873424	0.01000000	0.12069695	0.00793750	0.09580320	0.00982910	0.02245388	0.00777080	0.01775184
Unleased												
Yates Drilling												
Yates Petroleum	1.00000000	6.13974717	0.77187500	4.73911735	1.00000000	12.06969476	0.77187500	9.31629564	1.00000000	2.28442845	0.77208850	1.76378094

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 19				Tract 20				Tract 21						
	WI	TPF	WI	NRI	TPF	WI	NRI	TPF	WI	NRI	TPF	WI	NRI	TPF	NRI
				1.126766991				0.169493828							0.178093147
ABO Petroleum	0.02948710	0.03322509	0.02307299	0.02599788	0.00515625	0.00087395	0.00412515	0.00068919	0.00656250	0.00116874	0.00412515	0.00073466			
Blake Arnold	0.00854700	0.00963048	0.00747860	0.00842664											
Blanco Company	0.02457260	0.02768759	0.01942709	0.02188980											
Cardinal River Energy Co	0.00854700	0.00963048	0.00747860	0.00842664											
Charles B. Read	0.58888890	0.66354057	0.44828717	0.50511519	0.71104182	0.12051720	0.53620874	0.09088407	0.70401032	0.12537941	0.53620874	0.09549510			
Chesapeake Energy	0.02500000	0.02816917	0.01903104	0.02144355											
Chesapeake Investments	0.11794870	0.13290070	0.09229223	0.10399184	0.02062500	0.00349581	0.01650059	0.00279675	0.02625000	0.00467495	0.01650059	0.00293864			
Claude C. Arnold	0.00491450	0.00553750	0.00388537	0.00437791											
David C. Story															
Energen Resources Corp	0.07863250	0.08860051	0.06216667	0.07004735											
H J Freede, Inc.															
J C Henderson	0.00982910	0.01107511	0.00777085	0.00875594											
J Durwood Pate Trust Dated Various															
Jack Ahlen															
James D. Pate, Jr Trust Dated Various															
Jerry Dickson	0.00982910	0.01107511	0.00777085	0.00875594											
Joe H. Pate Trust															
Larry Fenity	0.00982910	0.01107511	0.00777085	0.00875594											
Monarch Resources, LLC	0.00982910	0.01107511	0.00777085	0.00875594											
MYCO Industries															
Patrica Dimsha															
Robert & Dawn Willis															
Rehoboth Inc.	0.02948710	0.03322509	0.02331250	0.02626776											
Stanley J. Dimsha															
Stephen R. Howard															
TW Investments	0.02500000	0.02816917	0.01903104	0.02144355											
Tropical Minerals, Inc.	0.00982910	0.01107511	0.00777085	0.00875594											
Unleased															
Yates Drilling					0.26317693	0.04460687	0.26317693	0.04460687	0.26317718	0.04687005	0.26317693	0.04687001			
Yates Petroleum	1.00000000	1.12676699	0.77208840	0.86996372	1.00000000	0.16949383	0.82001140	0.13898687	1.00000000	0.17809315	0.82001140	0.14603841			

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 22 10.36143258				Tract 23 1.825441362				Tract 24 0.005857507			
	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF
	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF	WI	TPF
ABO Petroleum	0.06600000	0.68385455	0.05172750	0.53597100	0.05775000	0.10541924	0.04518935	0.08249051	0.02625000	0.00015376	0.02054060	0.00012032
Blake Arnold	0.02500000	0.25903581	0.01984370	0.20560916	0.02187500	0.03993153	0.01733590	0.03164567	0.02187500	0.00012813	0.01733590	0.00010155
Blanco Company	0.65000000	6.73493118	0.49500000	5.12890913	0.69375000	1.26639994	0.53077340	0.96889572	0.69375000	0.00406365	0.53114840	0.00311121
Cardinal River Energy Co	0.08400000	0.87036034	0.06583500	0.68214491	0.07350000	0.13416994	0.05751375	0.10498798	0.10500000	0.00061504	0.08216250	0.00048127
Charles B. Read	0.00500000	0.05180716	0.00396880	0.04112245	0.00437500	0.00798631	0.00346720	0.00632917	0.00437500	0.00002563	0.00346720	0.00002031
Chesapeake Energy	0.08000000	0.82891461	0.06350000	0.65795097	0.07000000	0.12778090	0.05547500	0.10126636	0.07000000	0.00041003	0.05547500	0.00032495
Chesapeake Investments	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Claude C. Arnold	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
David C. Story	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Energen Resources Corp	0.03000000	0.31084298	0.02381250	0.24673161	0.02625000	0.04791784	0.02080310	0.03797484	0.02625000	0.00015376	0.02080310	0.00012185
H J Freede, Inc.	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
H J Henderson	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
J Durwood Pate Trust Dated Various	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Jack Ahlen	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
James D. Pate, Jr Trust Dated Various	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Jerry Dickson	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Joe H. Pata Trust	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Larry Fenity	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Monarch Resources, LLC	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
MYCO Industries	0.03000000	0.31084298	0.02381250	0.24673161	0.02625000	0.04791784	0.02080310	0.03797484	0.02625000	0.00015376	0.02080310	0.00012185
Patrica Dimsha	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Robert & Dawn Willis	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Rehoboth Inc.	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Stanley J. Dimsha	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Stephen R. Howard	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
TLW Investments	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Tropical Minerals, Inc.	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Unleased	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Yates Drilling	0.01000000	0.10361433	0.00793750	0.08224387	0.00875000	0.01597261	0.00693440	0.01265834	0.00875000	0.00005125	0.00693440	0.00004062
Yates Petroleum	1.00000000	10.36143258	0.77131250	7.99190247	1.00000000	1.82544136	0.77216410	1.40954029	1.00000000	0.00585751	0.77253910	0.00452515

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 25 2.792226965				Tract 26 4.514860615				Tract 27 3.236196963			
	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI	WI	TPF WI	NRI	TPF NRI
	ABO Petroleum	0.02625000	0.07329596	0.02053594	0.05734101	0.05940000	0.26818272	0.04633200	0.20918252	0.02700000	0.08737732	0.02093310
Blake Arnold	0.02187500	0.06107996	0.01736328	0.04848222	0.02250000	0.10158436	0.01755000	0.07923580	0.02250000	0.07281443	0.01744425	0.056645303
Blanco Company	0.64375000	1.79749611	0.49154798	1.37251352	0.68600000	3.09267952	0.52159062	2.35490895	0.58640000	1.89770590	0.44763212	1.44862570
Cardinal River Energy Co	0.02500000	0.06980567	0.01908931	0.05330169	0.02500000	0.08090492	0.05898800	0.26623230	0.02500000	0.08090492	0.01908391	0.06175928
Charles B. Read	0.10500000	0.29318383	0.08214374	0.22936397	0.07560000	0.34132346	0.05898800	0.26623230	0.10800000	0.34950927	0.08373240	0.27097454
Chesapeake Energy	0.00437500	0.01221599	0.00347265	0.00969643	0.00450000	0.02031687	0.00351000	0.01584716	0.00774000	0.02504816	0.00588240	0.01903661
Chesapeake Investments	0.07000000	0.19545599	0.05556249	0.15514308	0.07200000	0.32506996	0.05616000	0.25355457	0.07200000	0.23300618	0.05582160	0.18064969
Claude C. Arnold	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
David C. Story	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Energren Resources Corp	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
H J Freede, Inc.	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
H J Henderson	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
J Durwood Pate Trust Dated Various	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Jack Ahlen	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
James D. Pate, Jr Trust Dated Various	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Jerry Dickson	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Joe H. Pate Trust	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Larry Fenity	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Monarch Resources, LLC	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
MYCO Industries	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Patricia Dimsha	0.02625000	0.07329596	0.02083594	0.05817867	0.02700000	0.12190124	0.02106000	0.09508296	0.04644000	0.15028899	0.03529440	0.11421963
Robert & Dawn Willis	0.02500000	0.06980567	0.01908931	0.05330169	0.02500000	0.08090492	0.05898800	0.26623230	0.02500000	0.08090492	0.01908391	0.06175928
Rehoboth Inc.	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Stanley J. Dimsha	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Stephen R. Howard	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
TLW Investments	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Tropical Minerals, Inc.	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Unleased	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Yates Drilling	0.00875000	0.02443199	0.00694531	0.01939288	0.00900000	0.04063375	0.00702000	0.03169432	0.01548000	0.05009633	0.01176480	0.03807321
Yates Petroleum	1.00000000	2.79222696	0.77131250	2.15367956	1.00000000	4.51486062	0.76729062	3.46421020	1.00000000	3.23619696	0.76592198	2.47867438

Exhibit "D"

Trinity Burrus Abo Unit
Working Interest Owner Unit Participation

Tracts Unit Participation Fraction Working Interest Owner	Tract 28				Total of All Tracts			
	WI	TPF WI	NRI	TPF NRI	100.0000	TPF % WI	TPF NRI	TPF NRI
ABO Petroleum		4.149879926			100.0000			
Blake Arnold					0.020438961596			0.017032467929
Bianco Company					4.471982630142			3.457917668473
Cardinal River Energy Co					0.029155487470			0.025510966256
Charles B. Read					2.140694930741			1.675066546161
Chesapeake Energy					0.029155487470			0.025510966256
Chesapeake Investments					65.390492685596			50.753644941207
Claude C. Arnold					0.588517793823			0.460437795627
David C. Story					8.103586358093			6.327031702163
Energen Resources Corp	0.91620000	3.80211999	0.73283175	3.04116377	0.420507142072			0.329152521059
H J Freede, Inc.					3.802119988512			3.041163768303
J C Henderson					6.278232180069			4.928407685295
J Durwood Pate Trust Dated Various					0.098048906887			0.080890348181
Jack Ahlen					0.794589253061			0.619864075618
James D. Pate, Jr Trust Dated Various	0.01500000	0.06224820	0.01198790	0.04978984	0.062248198895			0.049789844368
Jerry Dickson					0.794589253061			0.619864075618
Joe H. Pate Trust	0.00500000	0.02074940	0.00397759	0.01650653	0.020749399632			0.016506533697
Larry Fenity					0.773618696743			0.604369811800
Monarch Resources, LLC					0.805620804228			0.631682148365
MYCO Industries					0.861528281633			0.673536509783
Patricia Dimsha	0.03040000	0.12615635	0.02431575	0.10090742	0.020438961596			0.017032467929
Robert & Dawn Willis	0.00300000	0.01244964	0.00239958	0.00995797	0.126156349761			0.100907422069
Rehoboth Inc.					0.012449639779			0.009957968874
Stanley J. Dimsha	0.03040000	0.12615635	0.02431575	0.10090742	2.507758235685			1.920024373591
Stephen R. Howard					0.126156349761			0.100907422069
TLW Investments					0.000408467662			0.000332220360
Tropical Minerals, Inc.					0.588517793823			0.460437793362
Unleased					0.877249151943			0.728413103829
Yates Drilling					0.091476917498			0.091476872975
Yates Petroleum	1.00000000	4.14987993	0.79983831	3.31923296	0.020438961596			0.017032467929
					0.143072731172			0.119227275909
					100.000000000000			77.903129765056

EXHIBIT " E "

1 Attached to and made a part of that certain Operating Agreement dated September 1, 2005 by Chesapeake Operating Inc., under
2 contract to Chesapeake Exploration Limited Partnership and Chesapeake Permian Limited Partnership as Operator and

3 _____
4 _____ as, Non-Operator
5 _____
6 _____
7 _____

ACCOUNTING PROCEDURE JOINT OPERATIONS

I. GENERAL PROVISIONS

1. Definitions

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

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

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

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

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

24 "Parties" shall mean Operator and Non-Operators.

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

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

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

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

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

2. Statement and Billings

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

3. Advances and Payments by Non-Operators

41 A. Unless otherwise provided for in the agreement, the Operator may require the Non-Operators to advance their
42 share of estimated cash outlay for the succeeding month's operation within fifteen (15) days after receipt of the
43 billing or by the first day of the month for which the advance is required, whichever is later. Operator shall adjust
44 each monthly billing to reflect advances received from the Non-Operators.

45 B. Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made
46 within such time, the unpaid balance shall bear interest monthly at the prime rate in effect at Bank One of Oklahoma, N.A. 42%
47 on the first day of the month in which delinquency occurs plus 1% or the
48 maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located,
49 whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of unpaid
50 amounts.

51 Operator may, at its option, choose to substitute other penalties described elsewhere in this Agreement for failure to pay bills within the fifteen
52 (15) day time frame described above.

4. Adjustments

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

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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.

16 **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.

24 **II. DIRECT CHARGES**

26 Operator shall charge the Joint Account with the following items:

28 **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.

34 **2. Rentals and Royalties**

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

38 **3. Labor**

A. (1) Salaries and wages of Operator's field employees ^{and/or consultants} directly employed on the Joint Property in the conduct of Joint Operations.

(2) Salaries of First level Supervisors in the field. ^{and/or consultants}

(3) Salaries and wages of Technical Employees ^{and/or consultants} directly employed on the Joint Property if such charges are excluded from the overhead rates.

(4) Salaries and wages of Technical Employees ^{and/or consultants} either temporarily or permanently assigned to and directly employed in the operation or 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 Paragraphs 3A and 3B of this Section II.

63 **4. Employee Benefits**

Operator's current costs or 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.

1 **5. Material**

2
3 Material purchased or furnished by Operator for use on the Joint Property as provided under Section IV. Only such
4 Material shall be purchased for or transferred to the Joint Property as may be required for immediate use and is
5 reasonably practical and consistent with efficient and economical operations. The accumulation of surplus stocks shall be
6 avoided.

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8 **6. Transportation**

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

11
12 A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be
13 made to the Joint Account for a distance greater than the distance from the nearest reliable supply store where like
14 material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

15
16 B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint
17 Account for a distance greater than the distance to the nearest reliable supply store where like material is normally
18 available, or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be
19 made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the
20 Parties.

21
22 C. In the application of subparagraphs A and B above, the option to equalize or charge actual trucking cost is
23 available when the actual charge is \$400 or less excluding accessorial charges. The \$400 will be adjusted to the
24 amount most recently recommended by the Council of Petroleum Accountants Societies.

25
26 **7. Services**

27
28 The cost of contract services, equipment and utilities provided by outside sources, except services excluded by Paragraph
29 10 of Section II and Paragraph i, ii, and iii, of Section III. The cost of professional consultant services and contract
30 services of technical personnel directly engaged on the Joint Property if such charges are excluded from the overhead
31 rates. The cost of professional consultant services or contract services of technical personnel not directly engaged on the
32 Joint Property shall not be charged to the Joint Account unless previously agreed to by the Parties.

33
34 **8. Equipment and Facilities Furnished By Operator**

35
36 A. Operator shall charge the Joint Account for use of Operator owned equipment and facilities at rates commensurate
37 with costs of ownership and operation. Such rates shall include costs of maintenance, repairs, other operating
38 expense, insurance, taxes, depreciation, and interest on gross investment less accumulated depreciation not to
39 exceed eight percent (8%) per annum. Such rates shall not exceed average commercial
40 rates currently prevailing in the immediate area of the Joint Property.

41
42 B. In lieu of charges in Paragraph 8A above, Operator may elect to use average commercial rates prevailing in the
43 immediate area of the Joint Property less 20%. For automotive equipment, Operator may elect to use rates
44 published by the Petroleum Motor Transport Association.

45
46 **9. Damages and Losses to Joint Property**

47
48 All costs or expenses necessary for the repair or replacement of Joint Property made necessary because of damages or
49 losses incurred by fire, flood, storm, theft, accident, or other cause, except those resulting from Operator's gross
50 negligence or willful misconduct. Operator shall furnish Non-Operator written notice of damages or losses incurred as
51 soon as practicable after a report thereof has been received by Operator.

52
53 **10. Legal Expense**

54
55 ^{title and regulatory work.}
56 Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgments and
57 amounts paid for settlement of claims incurred in or resulting from operations under the agreement or necessary to
58 protect or recover the Joint Property, ~~except that no charge for services of Operator's legal staff or fees or expense of~~
59 ~~outside attorneys shall be made unless previously agreed to by the Parties. All other legal expense is considered to be~~
60 ~~covered by the overhead provisions of Section III unless otherwise agreed to by the Parties, except as provided in Section~~
61 ~~I, Paragraph 2.~~

62
63 **11. Taxes**

64
65 All taxes of every kind and nature assessed or levied upon or in connection with the Joint Property, the operation thereof,
66 or the production therefrom, and which taxes have been paid by the Operator for the benefit of the Parties. If the ad
67 valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then
68 notwithstanding anything to the contrary herein, charges to the Joint Account shall be made and paid by the Parties
69 hereto in accordance with the tax value generated by each party's working interest.

70

1 12. Insurance

2

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

7

8 13. Abandonment and Reclamation

9

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

12

13 14. Communications

14

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

18

19 15. Other Expenditures

20

21 The cost of Operator's Field Offices not covered in Section III, or any

22

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

26

27 III. OVERHEAD

28

29 1. Overhead - Drilling and Producing Operations

30

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

33

34 (X) Fixed Rate Basis, Paragraph IA, or

35

36 () Percentage Basis, Paragraph IB

37

38 Unless otherwise agreed to by the Parties, such charge shall be in lieu of costs and expenses of all offices and
39 salaries or wages plus applicable burdens and expenses of all personnel, except those directly chargeable under
40 Paragraph 3A, Section II. ~~The cost and expense of services from outside sources in connection with matters of~~
41 ~~location, traffic, accounting or matters before or involving governmental agencies shall be considered as included in~~
42 ~~the overhead rates provided for in the above selected Paragraph of this Section III unless such cost and expense are~~
43 ~~agreed to by the Parties as a direct charge to the Joint Account.~~

44

45 ii. The salaries, wages and Personal Expenses of Technical Employees and/or the cost of professional consultant
46 services and contract services of technical personnel directly employed on the Joint Property:

47

48 () shall be covered by the overhead rates, or

49

50 (X) shall not be covered by the overhead rates.

51

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

55

56 () shall be covered by the overhead rates, or

57

58 (X) shall not be covered by the overhead rates.

59

60 A. Overhead - Fixed Rate Basis

61

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

63

64 Drilling Well Rate \$ 10,998.00

65

66 (Prorated for less than a full month)

67

68 Producing Well Rate \$ 800.00

69

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

71

72 (a) Drilling Well Rate

73

74 (1) Charges for drilling wells shall begin on the date ^{location work begins} the well is ~~spudded~~ and terminate on the date
75 the drilling rig, completion rig, or other units used in completion of the well is released, whichever

76

1 is later, except that no charge shall be made during suspension of drilling or completion operations
2 for fifteen (15) or more consecutive calendar days.

3
4 (2) Charges for wells undergoing any type of workover or recompletion for a period of five (5)
5 consecutive work days or more shall be made at the drilling well rate. Such charges shall be
6 applied for the period from date workover operations, with rig or other units used in workover,
7 commence through date of rig or other unit release, except that no charge shall be made during
8 suspension of operations for fifteen (15) or more consecutive calendar days.
9

10 (b) Producing Well Rates

11
12 (1) An active well either produced or injected into for any portion of the month shall be considered as
13 a one-well charge for the entire month.

14
15 ~~(2) Each active completion in a multi-completed well in which production is not commingled down~~
16 ~~hole shall be considered as a one-well charge providing each completion is considered a separate~~
17 ~~well by the governing regulatory authority.~~

18
19 ~~(3) An inactive gas well shut in because of overproduction or failure of purchaser to take the~~
20 ~~production shall be considered as a one-well charge providing the gas well is directly connected to~~
21 ~~a permanent sales outlet.~~

22
23 (4) A one-well charge shall be made for the month in which plugging and abandonment operations
24 are completed on any well. This one-well charge shall be made whether or not the well has
25 produced except when drilling well rate applies.

26
27 (5) All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease
28 allowable, transferred allowable, etc.) shall not qualify for an overhead charge.

29
30 (3) The well rates shall be adjusted as of the first day of April each year following the effective date of the
31 agreement to which this Accounting Procedure is attached ^{by the percent increase or decrease published by COPAS}. ~~The adjustment shall be computed by multiplying~~
32 ~~the rate currently in use by the percentage increase or decrease in the average weekly earnings of Crude~~
33 ~~Petroleum and Gas Production Workers for the last calendar year compared to the calendar year preceding an~~
34 ~~shown by the index of average weekly earnings of Crude Petroleum and Gas Production Workers as approved and recorded by COPAS,~~
35 ~~published by the United States Department of Labor, Bureau of Labor Statistics, or the equivalent Canadian index as~~
36 ~~published by Statistic Canada, as applicable. The adjusted rates shall be the rates currently in use, plus or~~
37 ~~minus the computed adjustment.~~

38
39 ~~B. Overhead - Percentage Basis~~

40
41 ~~(1) Operator shall charge the Joint Account at the following rates:~~

42
43 ~~(a) Development~~

44
45 ~~Percent () of the cost of development of the Joint Property exclusive of costs~~
46 ~~provided under Paragraph 10 of Section II and all salvage credits.~~

47
48 ~~(b) Operating~~

49
50 ~~Percent () of the cost of operating the Joint Property exclusive of costs provided~~
51 ~~under Paragraphs 2 and 10 of Section II, all salvage credits, the value of injected substances purchased~~
52 ~~for secondary recovery and all taxes and assessments which are levied, assessed and paid upon the~~
53 ~~mineral interest in and to the Joint Property.~~

54
55 ~~(2) Application of Overhead - Percentage Basis shall be as follows:~~

56
57 ~~For the purpose of determining charges on a percentage basis under Paragraph III of this Section III,~~
58 ~~development shall include all costs in connection with drilling, re-drilling, deepening, or any remedial~~
59 ~~operations on any or all wells involving the use of drilling rig and crew capable of drilling in the producing~~
60 ~~interval on the Joint Property; also, preliminary expenditures necessary in preparation for drilling and~~
61 ~~expenditures incurred in abandoning when the well is not completed as a producer, and original cost of~~
62 ~~construction or installation of fixed assets, the expansion of fixed assets, and any other project clearly~~
63 ~~discernible as a fixed asset, except Major Construction as defined in Paragraph 2 of this Section III. All other~~
64 ~~costs shall be considered as operating.~~

65
66 ~~2. Overhead - Major Construction~~

67
68 ~~To compensate Operator for overhead costs incurred in the construction and installation of fixed assets, the expansion of~~
69 ~~fixed assets, and any other project clearly discernible as a fixed asset required for the development and operation of the~~
70 ~~Joint Property, Operator shall either negotiate a rate prior to the beginning of construction, or shall charge the Joint~~

COPAS

- 1 Account for overhead based on the following rates for any Major Construction project in excess of \$ 50,000,000
- 2
- 3 A. 4.0 % of cost of less than \$100,000 or total cost if less, plus
- 4
- 5 B. 2.0 % of cost in excess of \$100,000 but less than \$1,000,000, plus
- 6
- 7 C. 1.0 % of cost in excess of \$1,000,000.
- 8

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

12

13 ~~A. Catastrophe Overhead~~

14

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

- 20
- 21 A. _____ % of total costs through \$100,000, plus
- 22
- 23 B. _____ % of total costs in excess of \$100,000 but less than \$1,000,000, plus
- 24
- 25 C. _____ % of total costs in excess of \$1,000,000.
- 26

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

29

30 4. Amendment of Rates

31

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

34

35

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

37

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

44

45 1. Purchases

46

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

50

51 2. Transfers and Dispositions

52

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

55

56 A. New Material (Condition A)

57

58 (1) Tubular Goods Other than Line Pipe

59

60 (a) Tubular goods, sized 2 3/8 inches OD and larger, except line pipe, shall be priced at Eastern mill
61 published carload base prices effective as of date of movement plus transportation cost using the 80,000
62 pound carload weight basis to the railway receiving point nearest the Joint Property for which
63 published rail rates for tubular goods exist. If the 80,000 pound rail rate is not offered, the 70,000 pound
64 or 90,000 pound rail rate may be used. Freight charges for tubing will be calculated from Lorain, Ohio
65 and casing from Youngstown, Ohio.

66

67 (b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus
68 transportation cost from that mill to the railway receiving point nearest the Joint Property as provided
69 above in Paragraph 2.A.(1)(a). For transportation cost from points other than Eastern mills, the 30,000
70

- 1 pound Oil Field Haulers Association interstate truck rate shall be used.
- 2
- 3 (c) Special end finish tubular goods shall be priced at the lowest published out-of-stock price, f.o.b. Houston,
- 4 Texas, plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate,
- 5 to the railway receiving point nearest the Joint Property.
- 6
- 7 (d) Macaroni tubing (size less than 2 3/8 inch OD) shall be priced at the lowest published out-of-stock prices
- 8 f.o.b. the supplier plus transportation costs, using the Oil Field Haulers Association interstate truck rate
- 9 per weight of tubing transferred, to the railway receiving point nearest the Joint Property.
- 10
- 11 (2) Line Pipe
- 12
- 13 (a) Line pipe movements (except size 24 inch OD and larger with walls 3/4 inch and over) 30,000 pounds or
- 14 more shall be priced under provisions of tubular goods pricing in Paragraph A.11(a) as provided above.
- 15 Freight charges shall be calculated from Lorain, Ohio.
- 16
- 17 (b) Line Pipe movements (except size 24 inch OD) and larger with walls 3/4 inch and over) less than 30,000
- 18 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment,
- 19 ~~plus 30 percent.~~ plus transportation costs based on freight rates as set forth under provisions of tubular
- 20 goods pricing in Paragraph A.11(a) as provided above. Freight charges shall be calculated from Lorain,
- 21 Ohio.
- 22
- 23 (c) Line pipe 24 inch OD and over and 3/4 inch wall and larger shall be priced f.o.b. the point of
- 24 manufacture at current new published prices plus transportation cost to the railway receiving point
- 25 nearest the Joint Property.
- 26
- 27 (d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall
- 28 be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at
- 29 prices agreed to by the Parties.
- 30
- 31 (3) Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable
- 32 supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the
- 33 railway receiving point nearest the Joint Property.
- 34
- 35 (4) Unused new Material, except tubular goods, moved from the Joint Property shall be priced at the current
- 36 new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or
- 37 point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint
- 38 Property. Unused new tubulars will be priced as provided above in Paragraph 2.A.1) and (2).
- 39
- 40 B. Good Used Material (Condition B)
- 41
- 42 Material in sound and serviceable condition and suitable for reuse without reconditioning:
- 43
- 44 (1) Material moved to the Joint Property
- 45
- 46 At seventy-five percent (75%) of current new price, as determined by Paragraph A.
- 47
- 48 (2) Material used on and moved from the Joint Property
- 49
- 50 (a) At seventy-five percent (75%) of current new price, as determined by Paragraph A, if Material was
- 51 originally charged to the Joint Account as new Material or
- 52
- 53 (b) At sixty-five percent (65%) of current new price, as determined by Paragraph A, if Material was
- 54 originally charged to the Joint Account as used Material
- 55
- 56 (3) Material not used on and moved from the Joint Property
- 57
- 58 At seventy-five percent (75%) of current new price as determined by Paragraph A.
- 59
- 60 The cost of reconditioning, if any, shall be absorbed by the transferring property.
- 61
- 62 C Other Used Material
- 63
- 64 (1) Condition C
- 65
- 66 Material which is not in sound and serviceable condition and not suitable for its original function until
- 67 after reconditioning shall be priced at fifty percent (50%) of current new price as determined by
- 68 Paragraph A. The cost of reconditioning shall be charged to the receiving property, provided Condition
- 69 C value plus cost of reconditioning does not exceed Condition B value.
- 70

1 (2) Condition D

2
3 Material, excluding junk, no longer suitable for its original purpose, but usable for some other purpose
4 shall be priced on a basis commensurate with its use. Operator may dispose of Condition D Material
5 under procedures normally used by Operator without prior approval of Non-Operators.
6

7 (a) Casing, tubing, or drill pipe used as line pipe shall be priced as Grade A and B seamless line pipe
8 of comparable size and weight. Used casing, tubing or drill pipe utilized as line pipe shall be
9 priced at used line pipe prices.
10

11 (b) Casing, tubing or drill pipe used as higher pressure service lines than standard line pipe, e.g.
12 power oil lines, shall be priced under normal pricing procedures for casing, tubing, or drill pipe.
13 Upset tubular goods shall be priced on a non upset basis.
14

15 (3) Condition E

16
17 Junk shall be priced at prevailing prices. Operator may dispose of Condition E Material under
18 procedures normally utilized by Operator without prior approval of Non-Operators.
19

20 D. Obsolete Material

21
22 Material which is serviceable and usable for its original function but condition and/or value of such Material
23 is not equivalent to that which would justify a price as provided above may be specially priced as agreed to by
24 the Parties. Such price should result in the Joint Account being charged with the value of the service
25 rendered by such Material.
26

27 E. Pricing Conditions

28
29 (1) Loading or unloading costs may be charged to the Joint Account at the rate of twenty-five cents (25¢)
30 per hundred weight on all tubular goods movements, in lieu of actual loading or unloading costs
31 sustained at the stocking point. The above rate shall be adjusted as of the first day of April each year
32 following January 1, 1985 by the same percentage increase or decrease used to adjust overhead rates in
33 Section III, Paragraph 1.A.(3). Each year, the rate calculated shall be rounded to the nearest cent and
34 shall be the rate in effect until the first day of April next year. Such rate shall be published each year
35 by the Council of Petroleum Accountants Societies.
36

37 (2) Material involving erection costs shall be charged at applicable percentage of the current knocked-down
38 price of new Material.
39

40 3. Premium Prices

41
42 Whenever Material is not readily obtainable at published or listed prices because of national emergencies, strikes or other
43 unusual causes over which the Operator has no control, the Operator may charge the Joint Account for the required
44 Material at the Operator's actual cost incurred in providing such Material, in making it suitable for use, and in moving it
45 to the Joint Property, provided notice in writing is furnished to Non-Operators of the proposed charge prior to billing
46 Non-Operators for such Material. ~~Each Non-Operator shall have the right, by so electing and notifying Operator within~~
47 ~~ten days after receiving notice from Operator, to furnish in kind all or part of his share of such Material suitable for use~~
48 ~~and acceptable to Operator.~~
49

50 4. Warranty of Material Furnished By Operator

51
52 Operator does not warrant the Material furnished. In case of defective Material, credit shall not be passed to the Joint
53 Account until adjustment has been received by Operator from the manufacturers or their agents.
54
55

56 V. INVENTORIES

57
58 The Operator shall maintain detailed records of Controllable Material.
59

60 1. Periodic Inventories, Notice and Representation

61
62 At reasonable intervals, inventories shall be taken by Operator of the Joint Account Controllable Material. Written notice
63 of intention to take inventory shall be given by Operator at least thirty (30) days before any inventory is to begin so that
64 Non-Operators may be represented when any inventory is taken. Failure of Non-Operators to be represented at an
65 inventory shall bind Non-Operators to accept the inventory taken by Operator.
66

67 2. Reconciliation and Adjustment of Inventories

68
69 Adjustments to the Joint Account resulting from the reconciliation of a physical inventory shall be made within six
70 months following the taking of the inventory. Inventory adjustments shall be made by Operator to the Joint Account for

1 overages and shortages, but, Operator shall be held accountable only for shortages due to lack of reasonable diligence.

2

3 **3. Special Inventories**

4

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

9

10 **4. Expense of Conducting Inventories**

11

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

14

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

17

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EXHIBIT "F"

ATTACHED TO AND MADE A PART OF THAT CERTAIN OPERATING AGREEMENT
DATED SEPTEMBER 1, 2005 BY AND BETWEEN CHESAPEAKE OPERATING INC.,
UNDER CONTRACT TO CHESAPEAKE LIMITED PARTNERSHIP AND CHESAPEAKE
PERMIAN LIMITED PARTNERSHIP, AS OPERATOR AND
_____, AS NON-OPERATOR

1. Operator shall procure and maintain, at all times while conducting operations under this Agreement, the following insurance coverages with limits not less than those specified below:

A.	Worker's Compensation	Statutory
	Employer's Liability	\$100,000 each accident
B.	Comprehensive General Liability including:	
	(a) property damage and bodily injury liability including, but not limited to, losses resulting from explosion, collapse, underground damage; and	
	(b) contractual liability assumed under this Agreement.	\$1,000,000 Combined single limit
C.	Comprehensive Automobile Liability covering owned, non-owned and hired vehicles.	\$1,000,000 Combined single limit
D.	Umbrella Liability in excess of A (except Worker's Compensation), B, and C above.	\$20,000,000 Combined single limit
E.	Cost of Well Control and Operator's Extra Expense, including Care, Well Control Custody, and Control Coverage	\$5,000,000 OEE and \$250,000 CCC

2. The insurance described in 1. above shall be carried at the joint expense of the parties hereto and all premiums and other costs and expenses related thereto shall be charged to the Joint Account in accordance with the Accounting Procedure attached as Exhibit "C" to this Agreement, unless prior to spud a Non-Operator who desires to provide its own insurance provides Operator with a certificate of insurance evidencing such individual coverage.

3. Operator shall use every reasonable effort to have its contractors and subcontractors comply with applicable Worker's Compensation laws, rules and regulations and carry such insurance as Operator may deem necessary.

4. Operator shall not be liable to Non-Operator for loss suffered because of insufficiency of the insurance procured and maintained for the Joint Account nor shall Operator be liable to Non-Operator for any loss occurring by reason of Operator's inability to procure or maintain the insurance provided for herein. If at any time during the term of this Agreement, Operator is unable to procure or maintain said insurance, Operator shall promptly so notify Non-Operator in writing.

5. In the event of loss not covered by the insurance provided for herein, such loss shall be charged to the Joint Account and borne by the parties in accordance with their respective percentage of participation as determined by this Agreement.

6. Any party hereto may individually and at its own expense procure such additional insurance as it desires; provided, however, such party shall provide Operator with a certificate of insurance evidencing such coverage before spud of the well and such coverage includes waivers by the insurer of all right of subrogation in favor of the other parties.

EXHIBIT "G"

Inclusion of Pre-Existing Non-Consent Well Included in the Unit

It is anticipated that several wells shall be included in the proposed Trinity Burrus Abo Unit that are subject to outstanding fees and costs incurred by the respective owners thereof following elections to go non-consent as to the initial drilling and completions prior to inclusion into the Unit. Revenues and costs charged to these wells for recovery of such outstanding account balance after inclusion in the Unit shall be as follows:

- 1) The Unit Operator shall render a statement to the operator/owner of the respective well(s) as to the outstanding non-consent balance detailing all non-consent costs, associated penalties and revenues as of the date of the Unitization Order.
- 2) A copy of this statement shall be forwarded to non-consent participants in the Unit.
- 3) After the date of Unitization, unit production and costs shall be allocated to each tract which contains a well with a non-consent balance based on such tract's tract participation factor. Unit costs shall be subject to the non-consent penalties in accordance with the terms of the applicable original agreements, but shall be capped by the maximum 200% penalty allowed under New Mexico law for penalties pertaining to unit costs. In such a manner, each outstanding arrearage shall be recovered.

EXHIBIT "H"

PRE-UNITIZATION EXPENSES

Pre-Unitization Expenses shall include, but not necessarily be limited to, the following categories:

- 1) Pre-production and printing expenses related to unit agreements, engineering reports, legal opinions, operation agreements, and all other documents and instruments necessary for the formation of the unit.
- 2) Postage for all mailings to involved working interest and mineral interest owners.
- 3) Recording fees, where applicable, for unitization agreements, ratifications, certificates, and other instruments that are required to be recorded in various places.
- 4) Actual expenses incurred by personnel directly involved in the formation of the Unit.
- 5) Telephone expenses that are directly concerning approval of mineral estate and working interest owners.
- 6) Cost of rental of meeting rooms for Unit Committees when conducted outside the office of the working interest owners.
- 7) Salaries of operators, employees, outside legal counsel necessary to present the Application for Unitization to various governmental agencies having jurisdiction over these matters.
- 8) Cost of engineering, contract land work, which may include curative work and any other items necessary to determine the feasibility of the Unit. In addition, expenses incurred for original title opinions, supplemental title opinions, and updates of title work as deemed necessary.
- 9) All costs involved in well testing expense for existing wells to establish the value of these wells, consulting fees attributed directly to such testing, and other expenditures necessary as a prelude to the formation of the Unit prior to the Effective Date of the Unit. The working interest owners may limit this amount of money by mutual agreement.
- 10) Attorney's fees and other legal expenses incurred in connection with formation of the Unit.
- 11) Any extraordinary costs not included in any of the above categories when authorized by the working interest owners by mutual agreement.
- 12) Acquisition of any leasehold or equipment for the specific account of any working interest owner prior to the formation of the Unit shall not be charged as a Pre-Unitization Expense, and any costs directly attributed to such acquisition for the benefit of the specific working interest owner shall also be excluded from the category of Pre-Unitization Expense.