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

# MODEL FORM OPERATING AGREEMENT

# **SRO STATE EXPLORATORY UNIT**

## **OPERATING AGREEMENT**

DATED

<u>May 8</u> , <u>2009</u> ,								
OPERATOR Marbob Ener	gy Corporation		<del></del>					
CONTRACT AREA SEE AT	TACHED EXHIBIT	"A"						
COUNTY OR PARISH OF	Eddy	STATE OF	New Mexico					

COPYRIGHT 1982 - ALL RIGHTS RESERVED AMERICAN ASSOCIATION OF PETROLEUM LANDMEN, 4100 FOSSIL CREEK BLVD., FORT WORTH, TEXAS, 26137-2791, APPROVED FORM, A.A.P.L. NO. 610 - 1982 REVISED

BEFORE THE OIL CONVERSATION
DIVISION
Santa Fe, New Mexico
Exhibit No. 4
Submitted by: COG Operating LLC
Hearing Date: May 4, 2016

# TABLE OF CONTENTS

Article	<u>Title</u>	Page
t.	DEFINITIONS	1
	EXHIBITS	
	INTERESTS OF PARTIES.	
	A. OIL AND GAS INTERESTS	.2
	B. INTERESTS OF PARTIES IN COSTS AND PRODUCTION	
	C. EXCESS ROYALTIES, OVERRIDING ROYALTIES AND OTHER PAYMENTS	
	D. SUBSEQUENTLY CREATED INTERESTS	
IV.	TITLES	2
	A. TITLE EXAMINATION	2-3
	B. LOSS OF TITLE	3
	I. Failure of Title	
	2. Loss by Non-Payment or Erroneous Payment of Amount Due	3
	3. Other Losses	3
V.	<u>OPERATOR</u>	4
	A. DESIGNATION AND RESPONSIBILITIES OF OPERATOR	
	B. RESIGNATION OR REMOVAL OF OPERATOR AND SELECTION OF SUCCESSOR	
	1. Resignation or Removal of Operator	4
	Selection of Successor Operator	
	C. EMPLOYEES.	
\n	D. DRILLING CONTRACTS	
٧1.	A, INITIAL WELL	4
	B. SUBSEQUENT OPERATIONS	•9-∪ •5
	1. Proposed Operations.	<u> </u>
	Operations by Less than All Parties.	5-6-7
	3. Stand-By Time	7
	4. Sidetracking	7
	C. TAKING PRODUCTION IN KIND	
	D. ACCESS TO CONTRACT AREA AND INFORMATION	
	E. ABANDONMENT OF WELLS	8
	1. Abandonment of Dry Holes	
	2. Abandonment of Wells that have Produced	8-9 0
3.7**	Abandonment of Non-Consent Operations     EXPENDITURES AND LIABILITY OF PARTIES.	<del>,</del>
VIIL	A. LIABILITY OF PARTIES.	0
	B. LIENS AND PAYMENT DEFAULTS	ģ
	C. PAYMENTS AND ACCOUNTING	9
	D. LIMITATION OF EXPENDITURES	9-10
	1. Drill or Deepen.	9-10
	2. Rework or Plug Back	10
	3. Other Operations	10
	E. RENTALS, SHUT-IN WELL PAYMENTS AND MINIMUM ROYALTIES	10
	F. TAXES	10
1.77.1	G. INSURANCEACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST	11
VIII.	A. SURRENDER OF LEASES	11
	B. RENEWAL OR EXTENSION OF LEASES	11
	C. ACREAGE OR CASH CONTRIBUTIONS	11-12
	D. MAINTENANCE OF UNIFORM INTEREST	12
	E. WAIVER OF RIGHTS TO PARTITION	
	F. PREFERENTIAL RIGHT TO PURCHASE	13
IX.	INTERNAL REVENUE CODE ELECTION	12
X	CT ATMS AND LAWSUITS	13
XI.	FORCE MAJEURE	13
XII.	NOTICES	13
XIII.	TERM OF AGREEMENT	13
XIV,	COMPLIANCE WITH LAWS AND REGULATIONS	14 14
	A. LAWS, REGULATIONS AND ORDERS B. GOVERNING LAW	14 14
	B. GOVERNING LAW	i~
٧v,	OTHER PROVISIONS	. <del>-</del>
љ∨. ¥Ъл	MISCELLANEOUS	15
e 4 2.	<u> </u>	

1	OPERATING AGREEMENT
3	THIS AGREEMENT, entered into by and betweenMarbob Energy Corporation
4 5 6 7	hereinafter designated an referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein as "Non-Operator", and collectively as "Non-Operators".
8	WITNESSETH;
9 10	WHEREAS, the parties to this agreement are owners of oil and gas leave and/or oil and gas interests in the land identified in
П	Exhibit "A", and the parties hereto have reached an agreement to explore and develop these leases and/or oil and gas interests for the
12	production of oil and gas to the extent and as hereinafter provided.
14	NOW, THEREFORE, it is agreed as follows:
15 16	ARTICLE I.
17	DEFINITIONS
18 19	As used in this agreement, the following words and terms shall have the meanings here ascribed to them:
20	A. The term "oil and gas" shall mean oil, gas, casinghead gas, gas condensate, and all other liquid or gaseous hydrocarbons
21 22	and other marketable substances produced therewith, unless an intent to limit the inclusiveness of this term is specifically stated.  B. The terms "oil and gas lease", "lease" and "leasehold" shall mean the oil and gas leases covering tracts of land
23	lying within the Contract Area which are owned by the parties to this agreement.
24 25	C. The term "oil and gas interests" shall mean unlessed fee and mineral interests in tracts of land lying within the Contract Area which are owned by parties to this agreement.
26	D. The term "Contract Area" shall mean all of the lands, oil and gas leasthold interest; and oil and gas interests intended to be
27 28	developed and operated for oil and gas purposes under this agreement. Such lands, oil and gas I aschold interests and oil and gas interests are described in Exhibit "A".
29	E. The term "drilling unit" shall mean the area fixed for the drilling of one we'll by order or rule of any state or
30 31	federal body having authority. If a drilling unit is not fixed by any such rule or order, a drilling unit shall be the drilling unit as established by the pattern of drilling in the Contract Area or as fixed by express agreement of the Drilling Parties.
32	F. The term "drillsite" shall mean the oil and gas lease or interest on which a proposed well is to be located.  G. The terms "Deilling Party" and "Consenting Party" shall mean a party who agrees to joir, in and pay its share of the cost of
33 34	any operation conducted under the provisions of this agreement.
35	H. The terms "Non-Drilling Party" and "Non-Consenting Party" shall mean a party who elects not to participate in a proposed operation.
37	
38 39	Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural includes the singular, and the neuter gender includes the masculine and the feminine.
40	
4! 42	ARTICLE II.  EXHIBITS
43	
44 45	The following exhibits, as indicated below and attached hereto, are incorporated in and made a part hereof:  2. A. Exhibit "A", shall include the following information:
46	(1) Identification of lands subject to this agreement,
47 48	(2) Restrictions, if any, as to depths, formations, or substances, (3) Percentages or fractional interests of parties to this agreement,
49	(4) Oil and gas leases and/or oil and gas interests subject to thus agreement,
50 5 i	(5) Addresses of parties for notice purposes.  □ B. Exhibit "B", Form of Lease.
52 53	
54	☑ E. Exhibit "E", Gas Balancing Agreement.
55 56	·
57	If any provision of any exhibit, except Exhibits "E" and "G", is inconsistent with any provision contained in the body
58 59	of this agreement, the provisions in the body of this agreement shall prevail.
60	
6) 62	
63	
64 65	
66	
67 68	

-1-

#### ARTICLE III. INTERESTS OF PARTIES Oil and Gas Interests: If any party owns an oil and gas interest in the Contract Area, that interest shall be treated for all purposes of this agreement 7 and during the term hereof as if it were covered by the form of oil and gas lease attached hereto as Exhibit "B", and the owner thereof 8 shall be deemed to own both the royalty interest reserved in such lease and the interest of the leases thereunder 10 B. Interests of Parties in Costs and Production: 11 Unless changed by other provisions, all costs and liabilities incurred in operations under this agreement shall be borne and 13 paid, and all equipment and materials acquired in operations on the Contract Area shall be owned, by the parties as their interests are set 14 forth in Exhibit "A". In the same manner, the parties shall also own all production of oil and gas from the Contract Area subject to the (5 payment of royalties to the extent of 1/6 which shall be borne as bereinafter set forth. 16 Regardless of which party has contributed the lease(s) and/or oil and gas interest(s) hereto on which royalty is due and 18 payable, each party entitled to receive a share of production of oil and gas from the Contract Area shall bear and shall pay or deliver, or 19 cause to be paid or delivered, to the extent of its interest in such production, the royalty amount stipulated hereinabove and shall hold the 20 other parties free from any liability therefor. No party shall ever be responsible, however, on a price basis higher than the price received 21 by such party, to any other party's lessor or royalty owner, and if any such other party's lessor or royalty owner should demand and 22 receive settlement on a higher price basis, the party contributing the affected lease shall bear the additional royalty burden attributable to 23 such higher price. 24 25 Nothing contained in this Article III.B. shall be deemed an assignment or cross-assignment of interests covered hereby. 26 27 C. Excess Royalties, Overriding Royalties and Other Payments: 28 Unless changed by other provisions, if the interest of any party in any lease covered hereby is subject to any royalty, 30 overriding royalty, production payment or other burden on production in excess of the amount stipulated in Article III.B., such party so 31 burdened shall assume and alone bear all such excess obligations and shall indemnify and hold the other parties hereto harmless from any 32 and all claims and demands for payment asserted by owners of such excess burden. 33 34 D. Subsequently Created Interests: 35 if any party should hereafter create an overriding royalty, production payment or other burden payable out of production 36 37 attributable to its working interest hereunder, or if such a burden existed prior to this agreement and is not set forth in Exhibit "A", or 38 was not disclosed in writing to all other parties prior to the execution of this agreement by all parties, or is not a jointly acknowledged and 39 accepted obligation of all porties (any such interest being hereinafter referred to as "subsequently created interest" irrespective of the 40 timing of its creation and the party out of whose working interest the subsequently created interest is derived being hereinafter referred 41 to as "burdened party"), and: 47 If the burdened party is required under this agreement to assign or relinquish to any other party, or parties, all or a portion 43 of its working interest and/or the production attributable thereto, said other party, or parties, shall receive said assignment and/or 44 production free and clear of said subsequently created interest and the burdened party shall indemnify and save said other party, 45 or parties, harmless from any and all claims and demands for payment asserted by owners of the subsequently created interest; 46 47 48 If the burdened purty fails to pay, when due, its share of expenses chargeable hereunder, all provisions of Article VII.B. shall be 49 enforceable against the subsequently created interest in the same manner as they are enforceable against the working interest of 50 the burdened party. 51 52 ARTICLE IV. 53 TITLES 54 55 56 A. Title Examination: 57 Title examination shall be made on the drillsite of any proposed well prior to commencement of drilling operations or, if 59 the Drilling Parties so request, title examination shall be made on the leases and/or oil and gas interests included, or planned to be includ-60 ed, in the drilling unit around such well. The opinion will include the ownership of the working interest, minerals, royalty, overriding 61 royalty and production payments under the applicable leases. At the time a well is proposed, each party contributing leases and/or oil and 62 gas interests to the drillsite, or to be included in such drilling unit, shall furnish to Operator all abstracts (including federal lease status 63 reports), title opinions, title papers and curative material in its possession free of charge. All such information not in the possession of or 64 made available to Operator by the parties, but necessary for the examination of the title, shall be obtained by Operator. Operator shall 65 cause title to be examined by attorneys on its staff or by outside attorneys. Copies of all title opinions shall be furnished to each party 66 hereto. The cost incurred by Operator in this title program shall be borne as follows:

4

68 Dotion No. 1: Costs incurred by Operator in procuring abstracts and title examination (including preliminary, supplemental.

69 shut-in gas royalty opinions and division order title opinions) shall be a part of the administrative overhead as provided in Exhibit "C".

70 and shall not be a direct charge, whether performed by Operator's staff attorneys or by outside attorneys.

# NODEL FORM OPERATING AGREEMI

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

8

Each party shaft be responsible for securing curative matter and pooling amendments or agreements required in connection with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling designations or declinations as well as the conduct of hearings before governmental agencies for the securing of spacing or pooling orders. 10 This shall not prevent any party from appearing on its own behalf at any such hearing.

11 12

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

15 16

13

#### B. Loss of Title:

17 19

21

23 24

25

27

28

29

33

11

36

37

39

40

- 1. Failure of Title: Should any oil and gas interest or lease, or interest therein, be lost through failure of title, which loss results in a reduction of interest from that shown on Exhibit "A", the party contributing the affected lease or interest shall have ninety (90) days from final determination of title failure to acquire a new lease or other instrument curing the entirety of the title failure, which acquiretion will not be subject to Article VIII.B., and failing to do so, this agreement, acvertheless, shall continue in force as to all remaining oil 22 and gas leases and interests: and,
  - (a) The party whose oil and gas lease or interest is affected by the title failure shall bear alone the entire loss and it shall not be entitled to recover from Operator or the other parties any development or operating costs which it may have theretofore paid or incurred, but there shall be no additional liability on its part to the other parties hereto by reason of such title failure:
  - (b) There shall be no retroactive adjustment of expenses incurred or revenues received from the operation of the interest which has been loss, but the interests of the parties shall be revised on an acreage basis, as of the time it is determined family that title faiture has occurred, so that the interest of the party whose lease or interest is affected by the title failure will thereafter be reduced in the Contract Area by the amount of the interest lost:
- (c) If the proportionate interest of the other parties hereto in any producing well theretofore drilled on the Contract Area is 31 increased by reason of the title failure, the party whose title has failed shall receive the proceeds attributable to the increase in such interest (less costs and hurdens attributable thereto) until it has been reimbursed for unrecovered costs paid by it in connection with such well:
  - (d) Should any person not a party to this agreement, who is determined to be the owner of any interest in the title which has failed, pay in any manner any part of the cost of operation, development, or equipment, such amount shall be paid to the party or porties who hore the costs which are so refunded;
  - (c) Any liability to necount to a third party for prior production of oil and gas which arises by reason of title failure shall be borne by the party or parties whose title failed in the same proportions in which they shared in such prior production; and,
  - (I) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest claimed by any party hereto, it being the intention of the parties hereto that each shall defend title to its interest and bear all expenses in connection therewith.

41 42

43 44 45

47

48

49

51

53

54 55

56 57

58

60 61

- 2. Loss by Non-Payment or Erroneous Payment of Amount Due: If, through mistake or oversight, any rental, shut-in well payment, minimum royalty or royalty payment, is not paid or is erroneously paid, and as a result a lease or interest therein terminates, there shall be no monetary liability against the party who failed to make such payment. Unless the party who failed to make the required payment secures a new lease covering the same interest within ninety (90) days from the discovery of the failure to make proper payment. which acquisition will not be subject to Article VIII.B., the interests of the parties shall be revised on an acreage basis, effective as of the date of termination of the lease involved, and the party who failed to make proper payment will no tonger be credited with an interest in the Contract Area on account of ownership of the lease or interest which has terminated. In the event the party who failed to make the required payment shall not have been fully reimbursed, at the time of the loss, from the proceeds of the sale of oil and gas attributable to the lost interest, calculated on an acroage basis, for the development and operating costs theretofore paid on account of such interest, is shall be reimbursed for unrecovered actual costs theretofore paid by it (but not for its share of the cost of any day hole previously drilled or wells previously abandoned) from so much of the following as is necessary to effect reimbursement:
- (a) Proceeds of oil and gas, less operating expenses, theretofore accrued to the credit of the lost interest, on an acreage basis, up to the amount of unrecovered costs.
- (b) Proceeds, less operating expenses, thereafter accrued antibutable to the lost interest on an acreage basis, of that portion of oil and gas thereafter produced and marketed (excluding production from any wells thereafter drilled) which, in the absence of such lease termination, would be attributable to the lost interest on an acreage basis, up to the amount of unrecovered costs, the proceeds of said portion of the oil and gas to be contributed by the other parties in proportion to their respective interest; and,
- (c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or becomes, the owner of the interest lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.

3. Other Losses: All losses incurred, other than those set forth in Articles IV.B.1. and IV.B.2. above, shall be joint losses and shall be borne by all parties in proportion to their interests. There shall be no readjustment of interests in the remaining portion of the Contract Area.

- 3 -

67 68



1 2	ARTICLE V. OPERATOR
4	A. Designation and Responsibilities of Operator:
5	Marbob Energy Corporation shall be the
	Operator of the Contract Area, and shall conduct and direct and have full control of all operations on the Contract Area as permitted and required by, and within the limits of this agreement. It shall conduct all such operations in a good and workmanlike manner, but it shall have no liability as Operator to the other parties for losses sustained or liabilities incurred, except such as may result from gross negligence or willful misconduct.
11	••
12 13	B. Resignation or Removal of Operator and Selection of Successor:
14 15 16 17	1. Resignation or Removal of Operator: Operator may resign at any time by giving written notice thereof to Non-Operators If Operator terminates its legal existence, no longer owns an interest hereunder in the Contract Area, or is no longer capable of serving as Operator, Operator shall be deemed to have resigned without any action by Non-Operators, except the selection of a successor. Operator may be removed if it fails or refuses to carry out its duties hereunder, or becomes insolvent, bankrupt or is placed in receivership, by the affirmative vote of two (2) or more Non-Operators owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of Operator. Such resignation or removal shall not become effective until 7:00 o'clock A.M. on the
20 21 22 23	first day of the calendar month following the expiration of ninety (90) days after the giving of notice of resignation by Operator or action by the Non-Operators to remove Operator, unless a successor Operator has been selected and assumes the duties of Operator at an earlier date. Operator, after effective date of resignation or removal, shall be bound by the terms hereof as a Non-Operator. A change of a corporate name or structure of Operator or transfer of Operator's interest to any single subsidiary, parent or successor corporation shall not be the basis for removal of Operator.
28 29	2. <u>Selection of Successor Operators</u> . Upon the resignation or removal of Operator, a successor Operator shall be selected by the parties. The successor Operator shall be selected from the parties owning an interest in the Contract Area at the time such successor Operator is selected. The successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A": provided, however, if an Operator which has been removed fails to vote or votes only to succeed kself, the successor Operator shall be selected by the affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown on Exhibit "A" remaining after excluding the voting interest of the Operator that was removed.
	C. Employees:
14 15 16 17	The number of employees used by Operator in conducting operations hereunder, their selection, and the hours of labor and the compensation for services performed shall be determined by Operator, and all such employees shall be the employees of Operator.
	D. Drilling Contracts:
12 13	All wells drilled on the Contract Area shall be drilled on a competitive contract basis at the usual rates prevailing in the area. If it so desires, Operator may employ its own tools and equipment in the drilling of wells, but its charges therefor shall not exceed the prevailing rates in the area and the rate of such charges shall be agreed upon by the parties in writing before drilling operations are commenced, and such work shall be performed by Operator under the same terms and conditions as are customary and usual in the area in contracts of independent contractors who are doing work of a similar nature.
17	
18 19 50	ARTICLE VI. DRILLING AND DEVELOPMENT
	A. Initial Well:
i3 i4	On or before the day of August, Operator shall commence the drilling of a well for
i5 i6	oil and gas at the following location:  A legal location in Section 4, T26S, R28E  Eddy County, New Mexico
17 18 19 10	and shall thereafter cominue the drilling of the well with due diligence to sufficiently test the Bone Spring formation
	unless granite or other practically impenetrable substance or condition in the hole, which renders further drilling impractical, is encountered at a lesser depth, or unless all parties agree to complete or abandon the well at a lesser depth.
55 56	Operator shall make reasonable tests of all formations encountered during drilling which give indication of containing oil and gas in quantities sufficient to test, unless this agreement shall be limited in its application to a specific formation or formations, in which event Operator shall be required to test only the formation or formations to which this agreement may apply.

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEME

#### ARTICLE VI continued

II, in Operator's judgment, the well will not produce oil or gas in paying quantities, and it wishes to plug and abandon the 2 well as a dry hote, the provisions of Article VI,E.I. shall thereafter apply.

#### 6 B. Subsequent Operations:

1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area other than the well provided for in Article VI.A., or to rework, deepen or plug back a dry hole drilled at the joint expense of all parties or a well jointly owned by all 10 the parties and not then producing in paying quantities, the party desiring to drill, rework, deepen or plug back such a well shall give the 11 other parties written notice of the proposed operation, specifying the work to be performed, the location, proposed depth, objective forma-12 tion and the estimated cost of the operation. The parties receiving such a notice shall have thirty (30) days after receipt of the notice 13 within which to notify the party wishing to do the work whether they elect to participate in the cost of the proposed operation. If a drill-14 ing rig is on location, notice of a proposal to rework, plug back or drill deeper may be given by telephone and the response period shall be 15 limited to forty-eight (48) hours, exclusive of Saturday, Sunday, and legal holidays. Failure of a party receiving such notice to reply within 16 the period above fixed shall constitute an election by that party not to participate in the cost of the proposed operation. Any notice or 17 response given by telephone shall be promptly confirmed in writing.

18 19

20 21

If all parties elect to participate in such a proposed operation, Operator shall, within ninety (90) days after expiration of the notice 22 period of thirty (30) days (or as promptly as possible after the experation of the forty-eight (48) hour period when a drilling rig is on loca-23 tion, as the case may be), actually commence the proposed operation and complete it with due diligence at the risk and expense of all par-24 ties hereto; provided, however, said commencement date may be extended upon written notice of same by Operator to the other parties, 25 for a period of up to thirty (30) additional days if, in the sole opinion of Operator, such additional time is reasonably necessary to obtain permits from governmental authorities, surface rights (including rights-of-way) or appropriate drilling equipment, or to complete title ex-27 amination or curative matter required for title approval or acceptance. Notwithstanding the force majeure provisions of Article XI, if the 28 actual operation has not been commenced within the time provided (including any extension thereof as specifically permitted herein) and 29 if any party hereto still desires to conduct said operation, written notice proposing same must be resubmitted to the other parties in accor-30 dance with the provisions hereof as if no prior proposal had been made.

31 32

33

2. Oberations by Less than All Parties: If any party receiving such notice as provided in Article VLB.1. or VII.D.1. (Option 35 No. 2) elects not to participate in the proposed operation, then, in order to be entitled to the benefits of this Article, the party or parties 36 giving the notice and such other parties as shall elect to participate in the operation shall, within ninety (90) days after the expiration of 37 the sotice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is on location, as the case may be) actually commence the proposed operation and complete it with due diligence. Operator shall perform all 39 work for the account of the Consenting Parties; provided, however, if no drilling rig or other equipment is on location, and if Operator is 40 a Non-Consenting Party, the Consenting Parties shall either: (a) request Operator to perform the work required by such proposed opera-41 tion for the account of the Consenting Parties, or (b) designate one (1) of the Consenting Parties as Operator to perform such work. Consenting Parties, when conducting operations on the Contract Area pursuant to this Article VI.B.2., shall comply with all terms and con-43 ditions of this agreement.

45 46

> If less than all parties approve any proposed operation, the proposing party, immediately after the expiration of the applicable 48 notice period, shall advise the Consenting Parties of the total interest of the parties approving such operation and its recommendation as to whether the Consenting Parties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48) hours 50 (exclusive of Saurday, Sunday and legal holidays) after receipt of such notice, shall advise the proposing party of its desire to (a) limit por-51 ticipation to such party's interest as shown on Exhibit "A" or (b) carry its proportionate part of Non-Consenting Parties' interests, and 52 failure to advise the proposing party shall be deemed an election under (a). In the event a drilling rig is on location, the time permitted for such a response shall not exceed a total of forty-eight (48) hours (inclusive of Saturday, Sunday and legal holidays). The proposing party, 54 at its election, may withdraw such proposal if there is insufficient participation and shall promptly notify all parties of such decision.

55 56 57

> The entire cost and risk of conducting such operations shall be borne by the Consenting Parties in the proportions they have 59 elected to bear some under the terms of the preceding paragraph. Consenting Porties shall keep the leasehold estates involved in such 60 operations free and clear of all tiens and encumbrances of every kind created by or arising from the operations of the Consenting Parties. If such an operation results in a dry hole, the Consenting Parties shall plug and abandon the well and restore the surface location at their 62 sole cost, tisk and expense. If any well drilled, reworked, deepened or plugged back under the provisions of this Article results in a producer of oil and/or gas in paying quantities, the Consenting Parties shall complete and equip the well to produce at their sole cost and risk,

64 65

63

66 67 68

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEM!

# ARTICLE VI

and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Par-2 ties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties in accordance with the provisions of this Article, each Non-Conserting Party shall be deemed to have relinquished to Consenting Parties, and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting Party's interest in the well and share of production therefrom until the proceeds of the sale of such share, calculated at the well, or market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other interests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest 9 until it reverts) shall count the total of the following:

ΙĐ 11 12

(a) 200% of each such Nou-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead 13 connections (including, but not limited to, stock tanks, separators, treaten, pumping equipment and piping), plus 200% of each such 14 Non-Consenting Party's share of the cost of operation of the well commencing with first production and continuing until each such Non-15 Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that each Non-16 Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-Consenting 17 Party had it participated in the well from the beginning of the operations; and

18 19 20

21

\_% of that portion of the costs and expenses of drilling, reworking, deepening, plugging back, testing and completing. 22 after deducting any cash contributions received under Article VIII.C., and \_\_\_\_\_\_\_ % of that portion of the cost of newly acquired equipment in the well (to and including the wellhead connections), which would have been chargeable to such Non-Consenting Party if it had 24 participated therein

#### See first paragraph of Page 6a

An election not to participate in the drilling or the deepening of a well shall be deemed an election not to participate in any re-29 working or plugging back operation proposed in such a well, or portion thereof, to which the initial Non-Consent election applied that is 30 conducted at any time prior to full recovery by the Consenting Parties of the Non-Consenting Party's recoupment account. Any such 31 reworking or plugging back operation conducted during the recoupment period shall be deem-d part of the cost of operation of said well 32 and there shall be added to the sums to be recouped by the Consenting Parties one hundred poleent (100%) of that portion of the costs of the reworking or plugging back operation which would have been chargeable to such Non-Contenting Party had it participated therein. If 34 such a reworking or plugging back operation is proposed during such recoupment period, the provisions of this Article VI.B. shall be applicable as between said Consenting Parties in said well.

#### See second paragraph of Page 6a

40 43 44

45

46

During the period of time Consenting Parties are entitled to receive Non-Consenting Paty's share of production, or the proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other taxes, and all royalty, overriding royalty and other burdens applicable to Non-Consenting Party's share of production not excepted by Ar-42 ticle III.D.

SO

In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free of cost, all casing, tubing and other equipment in the well, but the ownership of all such equipment shall remain unchanged; and upon 48 abandonment of a well after such reworking, plugging back or deeper drilling, the Consenting Parties shall account for all such equipment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.

51 52 53

Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the Consenting Parties shall farnish each Non-Consenting Party with an inventory of the equipment in and connected to the well, and an 55 itemized statement of the cost of drilling, deepening, plugging back, testing, completing, and equipping the well for production; or, at its option, the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed statement of monthly bill-57 ings. Each month thereafter, during the time the Consenting Parties are being reimbursed as provided above, the party conducting the 58 operations for the Consenting Parties shall formish the Non-Consenting Parties with an itemized statement of all costs and liabilities in-59 curred in the operation of the well, together with a statement of the quantity of oil and gas produced from it and the amount of proceeds realized from the sale of the well's working interest production during the preceding month. In determining the quantity of all and gas 61 produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as above provided; and if there is a credit balance, it shall be paid to such Non-Consenting Party.

65 66 67

#### See third paragraph of Fage 6a

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT

#### ARTICLE VI continued

Notwithstanding any language under Article VI.B. to the contrary, in any well in which a completion attempt may be made at more than one depth, each party who participated in the initial operations hereto shall have the right to make a separate election as to each interval in which a completion is proposed. Should a party hereto elect not to participate in a completion attempt as to any one interval, then those parties who elect to participate in the completion attempt as to that interval, shall, in the proportions they have elected to bear, share all costs, risks and expenses of such completion attempt. Any recoupment of said expenses shall be made solely from the production attributable to that interval.

Gas production attributable to any Non-Consenting Party's relinquished interest upon such Party election shall be sold to its purchaser, if available, under the terms of its existing gas sale contract. Such Non-Consenting Party shall direct its purchaser to remit the proceeds receivable from such sale direct to the Consenting Parties until the (0 amounts provided for in this Article are recovered from the Non-Consenting Parties relinquished interest. If such Non-11 Consenting Party has not contracted for sale of its gas at the time such gas is available for delivery, or has not made the election as provided above, the Consenting Parties shall own and be entitled to receive and sell such Non-12 Consenting Party's share of gas as hereinabove provided during the recoupment period.

Notwithstanding any provisions to the contrary in this or any other agreement, a Non-Consenting Party, upon Notwithstanding any provisions to the contrary in this or any other agreement, a Non-Consenting Party, upon notice in the writing to Operator, and/or any party carrying all or part of the non-consenting interest shall have the right at all times and from time to time within two (2) years of the date it received notice that payout has occurred, to audit of Operator's and/or carrying party's accounts and records relating to or connected with its operations on the Contract Area or on land pooled therewith, regardless of when such operations were conducted.

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEME

#### ARTICLS VI continued

If and when the Consenting Parties recover from a Non-Consenting Party's relinquished interest the amounts provided for above, 2 the relinquished interests of such Non-Conserting Party shall automatically revert to it, and, from and after such reversion, such Non-3 Consenting Party shall own the same interest in such well, the material and equipment in or pertaining thereto, and the production 4 therefrom as such Non-Consenting Party would have been entitled to had it participated in the drilling, reworking, deepening or plugging back of said well. Thereafter, such Non-Consenting Party shall be charged with and shall pay its proportionate part of the further costs of the operation of said well in accordance with the terms of this agreement and the Accounting Procedure attached hereto.

10

Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the unutual consent of all parties, no wells shall 11 be completed in or produced from a source of supply from which a well located elsewhere on the Contract Area is producing, unless such 12 well conforms to the then-existing well spacing pattern for such source of supply.

13 14 15

The provisions of this Article shall have no application whatsoever to the drilling of the initial well described in Article VI.A. 17 except (a) as to Article VII.D.1. (Optim No. 2), if selected, or (b) as to the reworking, deepeaing and plugging back of such initial well 18 after if has been drilled to the depth specified in Article VI.A. If it shall thereafter prove to be a dry hole or, if initially completed for pro-19 duction, ceases to produce in paving quantities.

20 21 22

21

3. Stand-By Time: When a well which has been deilled or deepened has reached its authorized death and all tests have been 24 completed, and the results thereof furnished to the parties, stand-by costs incurred pending response to a party's notice proposing a 25 reworking, deepening, plugging back or completing operation in such a well shall be charged and borne as part of the drilling or deepening operation just completed. Stand-by costs subsequent to all parties responding, or expiration of the response time permitted, whichever 27 first occurs, and prior to agreement as to the participating interests of all Consenting Parties pursuant to the terms of the second grant-28 matical paragraph of Article VI.B.2., shall be charged to and borne as part of the proposed operation, but if the proposal is subsequently 79 withdrawn because of insufficient participation, such stand-by costs shall be allocated between the Consentine Parties in the proportion each Consenting Party's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all Consenting Par-31 ties

4. Sidetracking: Except as hereinafter provided, those provisions of this agreement applicable to a "deepening" operation shall 36 also be applicable to any proposal to directionally control and intentionally deviate a well from vertical so as to change the bottom hole 17 location (herein call "sidetracking"), unless done to straighten the hole or to drill around junk in the hole or because of other mechanical difficulties. Any party having the right to participate in a proposed sidetracking operation that does not own an interest in the 39 affected well bore at the time of the potice shall, upon electing to participate, tender to the well bore owners its proportionate share (equal to its interest in the sidemacking operation) of the value of that portion of the existing well bore to be utilized as follows:

40

(a) If the proposal is for sidetracking an existing dry hole, reimbursement shall be on the basis of the actual costs incurred in 45 the initial drilling of the well down to the depth at which the sidetrocking operation is initiated.

46 47 48

(b) If the proposal is for sidetracking a well which has previously produced, reimbursement shall be on the basis of the well's salvable materials and equipment down to the depth at which the sidetracking operation is initiated, determined in accordance with the 51 provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning.

In the event that notice for a sidetracking operation is given while the drilling rig to be utilized is on location, the response period 56 shall be limited to forty-eight (48) hours, exclusive of Saturday, Sunday and legal holidays; provided, however, any party may request and 57 receive up to eight (8) additional days after expiration of the forty-eight (48) hours within which to respond by paying for all stand-by time incurred during such extended response period. If more than one party elects to take such additional time to respond to the notice, stand 59 by costs shall be allocated between the parties taking additional time to respond on a day-to-day basis in the proportion each electing par-60 ty's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all the electing parties. In all other in-61 stances the response period to a proposal for sidetracking shall be limited to thirty (30) days.

62 63 65

67

## C. TAKING PRODUCTION IN KIND:

have the right to

Each party shall / take in kind or separately dispose of its proportionate share of all oil and gas produced from the Contract Area. 68 exclusive of production which may be used in development and producing operations and in preparing and treating oil and gas for 69 marketing purposes and production enavoidably lost. Any extra expenditure incurred in the taking in kind or separate disposition by any 70 party of its proportionate share of the production shall be borne by such party. Any party taking its share of production in kind shall be

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMEN

#### ARTICLE VI continued

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

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

In the event any party shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of 8 the oil produced from the Contract Area, Operator shall have the right, subject to the revocation at will by the porty owning it, but not 9 the obligation, to purchase such oil or sell it to others at any time and from time to time, for the account of the non-taking party at the 10 best price obtainable in the area for such production. Any such purchase or sale by Operator shall be subject always to the right of the 11 owner of the production to exercise at any time its right to take in kind, or separately dispose of, its share of all oil not previously 12 delivered to a purchaser. Any purchase or sale by Operator of any other party's share of oil shall be only for such reasonable periods of 13 time as are consistent with the minimum needs of the industry under the particular circumstances, but in no event for a period in excess 14 of one (1) year.

15 16

In the event one or more parties' separate disposition of its share of the gas causes split-stream deliveries to separate pipelines and/or 17 deliveries which on a day-to-day basis for any reason are not exactly equal to a party's respective proportionate share of total gas sales to 18 be allocated to it, the balancing or accounting between the respective accounts of the parties shall be in accordance with any eas balancing agreement between the parties hereto, whether such an agreement is attached as Exhibit "E", or is a separate agreement.

\*\*See Below

#### 21 D. Acress to Contract Area and Information:

20 22 23

26

Each party shall have access to the Contract Area at all reasonable times, at its sole cost and risk to inspect or observe operations, 24 and shall have access at reasonable times to information pertaining to the development or operation thereof, including Operator's books 25 and records relating thereto. Operator, upon request, shall furnish each of the other parties with copies of all forms or reports filed with governmental agencies, daily drilling reports, well logs, tank tables, daily gauge and run tickets and reports of stock on hand at the first of each month, and shall make available samples of any cores or cuttings taken from any well drilled on the Contract Area. The cost of 28 gathering and furnishing information to Non-Operator, other than that specified above, shall be charged to the Non-Operator that re-29 quests the Information.

30

#### 31 E. Ahandonment of Wells:

32 33 34

35

f. Abandownent of Dry Holes: Except for any well drilled or deepened pursuant to Article VI.B.2., any well which has been drilled or deepened under the terms of this agreement and is proposed to be completed as a dry hole shall not be plugged and abandoned without the consent of all parties. Should Operator, after diligent effort, be unable to contact any party, or should any party fail to reply 36 within forty-eight (48) hours (exclusive of Saturday, Sunday and legal holidays) after receipt of notice of the proposal to plug and abandon 37 such well, such party shall be deemed to have consented to the proposed abandonment. All such wells shall be plugged and abandoned in 38 accordance with applicable regulations and at the cost, risk and expense of the parties who participated in the cost of drilling or deepening 39 such well. Any party who objects to plugging and abandoning such well shall have the right to take over the well and conduct further 40 operations in search of oil and/or gas subject to the provisions of Article VI.B.

41 42

43

2. Abandonment of Wells that have Produced: Except for any well in which a Non-Coasent operation has been conducted bereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a 44 producer shall not be plugged and abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall 45 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within 46 thirty (30) days after receipt of notice of the proposed abandonment of arry well, all parties do not agree to the abandonment of such well, 47 those wishing to continue its operation from the interval(s) of the formation(s) then open to production shall tender to each of the other 48 parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of 49 Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abundoning. Each abandoning party shall assign 50 the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and 51 meterial, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the in-52 terval or intervals of the formation or formations then open to production. If the interest of the abandoning party is or includes an oil and 53 gas interest, such party shall execute and deliver to the non-abandoning party or parties an oil and gas lease, limited to the interval or intervals of the formation or formations then open to production, for a term of one (1) year and so long thereafter as oil and/or gas is pro-55 duced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attacked as Exhibit

56

57 \*\*Notwithstanding any provision to the contrary to this or any other agreement each party shall have the right at all Notwinstanding any provision to the contrary.

Notwinstanding any provision to the contrary to the contract area and accounts times and from time to time, upon written notice, to audit all of taking party and/or operator's records and accounts prelated to or in connection with production or allocation of production from the contract area. Auditing of settlement 60 records shall also be applicable if taking party and/or operator distributes proceeds to the auditing party.

61 62 63

64 65 66

67 68

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEM

#### ARTICLE VI continued

i "B". The assignments or leases so limited shall encompass the "drilling unit" upon which the well is located. The payments by, and the 2 assignments or leases to, the assignces shall be in a ratio based upon the relationship of their respective percentage of participation in the 3 Contract Area to the aggregate of the percentages of participation in the Contract Area of all assignees. There shall be no readjustment of interests in the remaining portion of the Contract Area.

Thereafter, abandoning porties shall have no further responsibility, liability, or interest in the operation of or production from 7 the well in the interval or intervals then open other than the royalties retained in any lease made under the terms of this Article. Upon re-8 quest, Operator shall continue to operate the assigned well for the account of the non-abandoming parties at the rates and charges con-9 templated by this agreement, plus any additional cost and charges which may arise as the result of the separate ownership of the assigned 10 well. Upon proposed abandonment of the producing interval(s) assigned or leased, the assignor or lessor shall then have the option to 11 repurchase its prior interest in the well (using the same valuation formula) and participate in further operations therein subject to the pro-12 visions hereof.

13 14

3. Abandonment of Non-Consent Operations: The provisions of Article VI.E.1, or VI.E.2 above shall be applicable as between 15 Consenting Parties in the event of the proposed abandonment of any well excepted from said Articles; provided, however, no well shall be 16 permanently plugged and abandoned unless and until all parties having the right to conduct further operations therein have been notified 17 of the proposed abandonment and afforded the opportunity to elect to take over the well in accordance with the provisions of this Article 18 VIF

20 21

22

74

25

#### ARTICLE VII. EXPENDITURES AND LIABILITY OF PARTIES

#### 23 A. Liability of Parties:

The liability of the parties shall be several, not joint or collective. Each party shall be responsible only for its obligations, and 26 shall be liable only for its proportionate share of the costs of developing and operating the Contract Area. Accordingly, the liens granted 27 among the parties in Article VILB, are given to secure only the debts of each severally. It is not the intention of the parties to create, nor 28 shall this agreement be construed as creating, a mining or other partnership or association, or to render the parties liable as partners.

#### 30 B. Liens and Payment Defaults:

37

Each Non-Operator grants to Operator a lien upon its oil and gas rights in the Contract Area, and a security interest in its share 33 of oil and/or gas when extracted and its interest in all equipment, to secure payment of its share of expense, together with interest thereon 34 at the rate provided in Exhibit "C". To the extent that Operator has a security interest under the Uniform Commercial Code of the 35 state, Operator shall be entitled to exercise the rights and remedies of a secured party under the Code. The bringing of a suit and the ob-36 taining of judgment by Operator for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien 37 rights or security interest as security for the payment thereof. In addition, upon default by any Non-Operator in the payment of its share 38 of expense, Operator shall have the right, without prejudice to other rights or remedies, to collect from the purchaser the proceeds from 39 the sale of such Non-Operator's share of oil and/or gas until the amount owed by such Non-Operator, plus interest, has been paid. Each 40 purchaser shall be entitled to rely upon Operator's written statement concerning the amount of any default. Operator grants a like lien 41 and security interest to the Non-Operators to secure payment of Operator's proportionate share of expense.

42

If any party fails or is unable to pay its share of expense within sixty (60) days after rendition of a statement therefor by 44 Operator, the non-defaulting parties, including Operator, shall, upon request by Operator, pay the unpaid amount in the proportion that 45 the interest of each such party bears to the interest of all such parties. Each party so paying its share of the unpaid amount shall, to obtain 46 reimbursement thereof, be subrogated to the security rights described in the foregoing paragraph.

50

## 48 C. Payments and Accounting:

Except as herein otherwise specifically provided, Operator shall promptly pay and discharge expenses incurred in the development 51 and operation of the Contract Area pursuant to this agreement and shall charge each of the parties hereto with their respective propor-52 tionate shares upon the expense basis provided in Exhibit "C". Operator shall keep an accurate record of the joint account hereunder. 53 showing expenses incurred and charges and credits made and received.

55

Operator, at its election, shall have the right from time to time to demand and receive from the other parties payment in advance 56 of their respective shares of the estimated amount of the expense to be incurred in operations hereunder during the next succeeding 57 month, which right may be exercised only by submission to each such party of an itemized statement of such estimated expense, together 58 with an invoice for its share thereof. Each such statement and invoice for the payment in advance of estimated expense shall be submitted on or before the 20th day of the next preceding month. Each purty shall pay to Operator its proportionate share of such estimate within 60 fifteen (15) days after such estimate and invoice is received. If any party fails to pay its share of said estimate within said time, the amount 61 due shall bear interest as provided in Exhibit "C" until paid. Proper adjustment shall be made monthly between advances and actual ex-62 pense to the end that each party shall bear and pay its proportionate share of actual expenses incurred, and no more.

63

## 64 D. Limitation of Expenditures:

65 66

1. Drill or Detpon: Without the consent of all parties, no well shall be drilled or deepened, except any well drilled or deepened 67 pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the drilling or deepening shall include:

ሐጸ 69 70

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT - 1982

# ARTICLE VII

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

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

<ol><li>Other Operations: Without</li></ol>	the consent of all parties, Operator shall not un	dertake any single proje	ct reasonably estimated
to require an expenditure in excess of _	twenty-five thousand	Dolfars (\$	25,000.00
except in connection with a well, the	drilling, reworking, deepening, completing, rec	ompleting, or plugging b	ack of which has been
previously authorized by or pursuant	to this agreement; provided, however, that, in	case of explosion, fire,	flood or other sudden
emergency, whether of the same or di	fferent nature, Operator may take such steps and i	nour such expenses as in	its opinion are required
to deal with the emergency to safegua	rd life and property but Operator, as promptly as	possible, shall report the	emergency to the other
parties. If Operator prepares an author	rity for expenditure (AFE) for its own use, Opera	tor shall furnish any Non	-Operator so requesting
an information copy thereof for any sing	gle project costing in excess of	fifteen thousand	
Dollars (\$ 15,000.00	) but less than the amount first set footh	shove in this removes	

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

Rentals, shut-in well payments and minimum royalities which may be required under the terms of any lease shall be paid by the
party or parties who subjected such lease to this agreement at its or their expense. In the event two or more parties own and have contributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on
behalf of all such parties. Any party may request, and shall be entitled to receive, proper evidence of all such payments. In the event of
failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such payment is required to continuo the lease in force, any loss which results from such non-payment shall be borne in accordance with the provisions of Article IV.B.2.

Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shutting in or return to production

Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shutting in or return to production

return to production

to a producing gas well, at least five (5) days (excluding Saturday, Sunday and legal holidays), or at the earliest opportunity permitted by

circumstances, prior to taking such action, but assumes no liability for failure to do so. In the event of failure by Operator to so notify

Non-Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments of any shut-in well payment

shall be borne jointly by the parties hereto under the provisions of Article IV.B.3.

#### 46 F. Taxes:

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

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

67 Each party shall pay or cause to be paid oil production, severance, excise, gathering and other taxes imposed upon or with respect 68 to the production or handling of such porty's share of oil and/or gas produced under the terms of this agreement.

# MODEL FORM OPERATING AGREEMEN

#### ADTICLE VII continued

#### I G. Insurance:

At all times while operations are conducted hereunder, Operator shall comply with the workmen's compensation law of 4 the state where the operations are being conducted; provided, however, that Operator may be a self-insurer for liability under said com-5 pensation have in which event the only charge that shall be made to the joint account shall be as provided in Exhibit "C". Operator shall 6 also carry or provide insurance for the benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a narr 7 hereof. Operator shall require all contractors engaged in work on or for the Contract Area to comply with the workmen's compensation 8 law of the state where the operations are being conducted and to maintain such other insurance as Operator may require.

In the event automobile public liability insurance is specified in said Exhibit "D", or subsequently receives the approval of the 11 parties, no direct charge shall be made by Operator for premiums paid for such insurance for Operator's automotive equipment.

10 12

13

14

15

17

#### ARTICLE VIII.

#### ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST

#### 16 A. Surrender of Leases:

The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall not be surrendered in whole 19 or in part unless all parties consent thereto.

18 20 21

However, should any party desire to surrender its interest in any lease or in any portion thereof, and the other parties do not 22 agree or consent thereto, the party desiring to surrender shall assign, without express or implied warranty of title, all of its interest in 23 such lease, or portion thereof, and any well, material and equipment which may be located thereon and any rights in production 24 thereafter secured, to the parties not consenting to such surrender. If the interest of the assigning party is or includes an oil and gas in-25 terest, the assigning party shall execute and deliver to the party or parties not consenting to such surrender an oil and gas lease covering 26 such oil and gas interest for a term of one (1) year and so long thereafter as oil and/or gas is produced from the land covered thereby, such 27 lease to be on the form attached hereto as Exhibit "B". Upon such assignment or lease, the assigning party shall be relieved from all 28 obligations thereafter accruing, but not theretofore accrued, with respect to the interest assigned or leased and the operation of any well 29 attributable thereto, and the assigning party shall have no further interest in the assigned or leased premises and its equipment and pro-30 duction other than the royalties remained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the 31 party assignor or jessor the reasonable salvage value of the latter's interest in any wells and equipment attributable to the assigned or leas-32 ed acreage. The value of all material shall be determined in accordance with the provisions of Exhibit "C", tess the estimated cost of 33 salvaging and the estimated cost of plugging and abandoning. If the assignment or lease is in favor of more than one party, the interest shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.

34 3.6

Any assignment, lease or surrender made under this provision shall not reduce or change the assignor's, lessor's or surrendering 37 party's interest as it was immediately before the assignment, lease or surrender in the balance of the Contract Area; and the acreage assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this 39 agreement.

40

#### 41 R Renewal or Extension of Leases:

42 43

If any party secures a renewal of any oil and gas lease subject to this agreement, all other parties shall be notified promptly, and 44 shall have the right for a period of thirty (30) days following receipt of such notice in which to elect to participate in the ownership of the 45 renewal lease, insofar as such lease affects lands within the Contract Area, by paying to the purty who acquired it their several proper pro-46 portionate stures of the acquisition cost allocated to that part of such lease within the Contract Area, which shall be in proportion to the 47 interests held at that time by the parties in the Contract Area.

48

If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it shall be owned by the parties 50 who elect to participate therein, in a ratio based upon the relationship of their respective percentage of participation in the Contract Area 51 to the aggregate of the percentages of participation in the Contract Area of all partics participating in the purchase of such renewal lease. 52 Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.

53 54

Each party who participates in the purchase of a renewal lease shall be given an assignment / of its proportionate interest rein 55 by the acquiring party.

57

The provisions of this Article shall apply to renewal leases whether they are for the entire interest covered by the expiring lease 58 or cover only a portion of its area or an interest therein. Any renewal lease taken before the expiration of its predecessor lease, or taken or 59 contracted for within six (6) months after the expiration of the existing leave shall be subject to this provision; but any leave taken or con-60 tracted for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal lease and shall not be subject to the provisions of this agreement

61 62

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

63 64

## 65 C. Acreage or Cash Contributions:

66

While this agreement is in force, if any porty contracts for a contribution of cash towards the drilling of a well or any other 68 operation on the Contract Area, such contribution shall be paid to the party who conducted the drilling or other operation and shall be 69 applied by it against the cost of such drilling or other operation. If the contribution be in the form of acreage, the party to whom the con-70 tribution is made shall promptly tender an assignment of the acreage, without warranty of title, to the Drilling Parties in the proportions

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEME

#### ARTICLE VIII continued

I said Drilling Parties shared the cost of drilling the well. Such acreage shall become a separate Contract Area and, to the extent possible, be governed by provisions identical to this agreement. Each party shall promptly notify all other parties of any acreage or cash contributions 3 it may obtain in support of any well or any other operation on the Contract Area. The above provisions shall also be applicable to optional rights to corn acreage outside the Contract Area which are in support of a well drilled inside the Contract Area.

If any party contracts for any consideration relating to disposition of such party's share of substances produced hereunder, such 7 consideration shall not be deemed a contribution as contemplated in this Article VIII.C.

10

#### 9 D. Maintangage of Uniform Interests:

11

For the purpose of maintaining uniformity of ownership in the oil and gas leasehold interests covered by this agreement, no 12 party shall sell, encumber, transfer or make other disposition of its interest in the teases embraced within the Contract Area and in wells. 13 equipment and production unless such disposition covers either.

14 15 16

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

17 18 2. an equal undivided interest in all leases and equipment and production in the Contract Area.

19

Every such sale, encumbrance, transfer or other disposition made by any party shall be made expressly subject to this agreement 20 and shall be made without prejudice to the right of the other parties.

21 22

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 23 require such co-owners to appoint a single trustee or agent with full authority to receive notices, approve expenditures, receive billings for 24 and approve and pay such purty's share of the joint expenses, and to deal generally with, and with power to bind, the co-owners of such 25 party's interest within the scope of the operations embraced in this agreement; however, all such co-owners shall have the right to enter 26 into and execute all contracts or agreements for the disposition of their respective shares of the oil and gas produced from the Contract 27 Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

28

#### 29 E. Walver of Rights to Partition:

30 31

If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an 32 undivided interest in the Contract Area waives any and all rights it may have to partition and have set aside to it in severally its undivided 33 interest therein.

34

#### 35 F Proferential Right to Purch

36 37

desire to sell all or any p 38. Acce, it shall promptly give written-notice to the other parties, with full information concerning its proposed only, which shall estive purchaser (who must be ready, willing and able to pu 40 of the offer. The other parties shall then have an entional prior right, for a garied of ten (10) days offer receipt of the not enditions the interest which the other party prope 42 ing parties that the purchased interest in the proportions that the interest of each bears to the setal interest of each bears to the setal interest of each ties. However, there-shall be no preferential right to a cases where any party wishes to mortage to its in 44 dispace of its inverted by marger, representation, consolidation, or sale of all or orbytomially all of its exets to a public

46 47

# ARTICLETY

48 49 50

# INTERNAL REVENUE CODE ELECTION

This agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association 51 for profit between or among the parties hereto. Notwithstanding any provision herein that the rights and liabilities hereunder are several 52 and not joint or collective, or that this agreement and operations bereunder shall not constitute a partnership, if, for federal income tax 53 purposes, this agreement and the operations hereunder are regarded as a partnership, each party hereby affected elects to be excluded 54 from the application of all of the provisions of Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, as per-55 mitted and authorized by Section 761 of the Code and the regulations promulgated thereunder. Operator is authorized and directed to ex-56 ecuae on behalf of each party hereby affected such evidence of this election as may be required by the Secretary of the Treasury of the 57 United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements. 58 and the data required by Federal Regulations 1.761. Should there be any requirement that each party hereby affected give further 59 evidence of this election, each such party shall execute such documents and furnish such other evidence as may be required by the 60 Federal Internal Revenue Service or as may be necessary to evidence this election. No such party shall give any notices or take any other 61 action inconsistent with the election made hereby. If any present or future income tax laws of the state or states in which the Contract 62 Area is located or any future income tax laws of the United States contain provisions similar to those in Subchapter "K", Chapter 1. 63 Subjitle "A", of the Internal Revenue Code of 1954, under which an election similar to that provided by Section 761 of the Code is per-64 mitted, each party hereby affected shall make such election as may be permitted or required by such laws. In making the foregoing elec-65 tion, each such party states that the income derived by such party from operations hereunder can be adequately determined without the 66 computation of partnership taxable income.

67 68



ARTICLE Y 2 **CLAIMS AND LAWSUITS** Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure 5 does not exceed fifteen thousand 15,000.00 ) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is 10 sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given 11 Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim 12 or sut involving operations hereunder. 13 14 ARTICLE YE 15 FORCE MAJEURE 16 17 If any party is rendered unable, wholly or in part, by force majeure to carry out its obligations under this agreement, other than 18 the obligation to make money payments, that party shall give to all other parties prompt written notice of the force majeure with 19 reasonably full particulars concerning it; thereupon, the obligations of the party giving the notice, so far as they are affected by the force 20 majeure, shall be suspending during, but no longer than, the continuance of the force majeure. The affected party shall use all reasonable 21 diligence to remove the force majeure situation as quickly as practicable. 23 The requirement that any force majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes, lockouts, or other labor difficulty by the party involved, contrary to its wishes; how all such difficulties shall be handled shall be entirely 25 within the discretion of the party concerned. The term "force majeure", as here employed, shall mean an act of God, strike, lockout, or other industrial disturbance, act of 22 28 the public enemy, war, blockade, public riot, lightning, fire, storm, flood, explosion, governmental action, governmental delay, restraint 29 or inaction, unavailability of equipment, and any other cause, whether of the kind specifically enumerated above or otherwise, which is 30 not reasonably within the control of the party claiming suspension. 31 32 ARTICLE XIL 33 NOTICES 34 35 All notices authorized or required between the parties and required by any of the provisions of this agreement, unless otherwise 36 specifically provided, shall be given in writing by mail or telegram, postage or charges prepaid, or by telex or telecopier and addressed to 37 the parties to whom the notice is given at the addresses listed on Exhibit "A". The originating notice given under any provision hereof 38 shall be deemed given only when received by the party to whom such notice is directed, and the time for such party to give any notice in 39 response thereto shall run from the date the originating notice is received. The second or any responsive notice shall be deemed given when deposited in the mail or with the telegraph company, with postage or charges prepaid, or sent by telex or telecopier. Each party 41 shall have the right to change its address at any time, and from time to time, by giving written notice thereof to all other parties. 42 ARTICLE XIII. 43 44 TERM OF AGREEMENT 45 This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas interests subject hereto for the 46 period of time selected below; provided, however, no party hereto shall ever be construed as having any right, title or interest in or to any 47 lease or oil and gas interest contributed by any other party beyond the term of this agreement 50 Option No. 1: So long as any of the oil and gas leases subject to this agreement remain or are continued in force as to any part 51 of the Contract Area, whether by production, extension, renewal, or otherwise. 52 53 27 Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this 54 agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or \_ days from cessation of all production; provided, 55 wells produce, or are capable of production, and for an additional period of \_\_\_\_ 180 56 however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepen-57 ing, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such opera-58 tions have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the 59 well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable 60 of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or rework-61 ing operations are commenced within 180 \_\_\_ days from the date of abandonment of said well. 62 It is agreed, however, that the termination of this agreement shall not relieve any party hereto from any liability which has 63 64 accreed or attached prior to the date of such termination. 65 66 67 68 69

13

23 24

30 31

36 37

38

39 40 41

42

43

44 45

46 47

48 49

50 ٩ı

52 53

64 65 66

67

68 69 70

# 1 ARTICLE XIV. 2 COMPLIANCE WITH LAWS AND REGULATIONS 3 4 Laws, Regulations and Orders: 6 This agreement shall be subject to the conservation laws of the state in which the Contract Area is located, to the valid rules, 7 regulations, and orders of any duly constituted regulatory body of said state; and to all other applicable federal, state, and local laws, or-8 dinances, rules, regulations, and orders. 10 B. Governing Law: 11 12 This agreement and all matters pertaining hereto, including, but not limited to, matters of performance, non-performance, breach, 13 remedies, procedures, rights, duties, and interpretation or construction, shall be governed and determined by the law of the state in which 14 the Contract Area is located. If the Contract Area is in two or more states, the law of the state of \_ 15 shall govern. 16 17 C. Regulatory Agencies: 19 Nothing herein contained shall gram, or be construed to grant, Operator the right or authority to waive or release any rights, 20 privileges, or obligations which Non-Operators may have under federal or state laws or under rules, regulations or orders promulgated 21 under such laws in reference to oil, gas and mineral operations, including the location, operation, or production of wells, on tracts offset-22 ting or adjacent to the Contract Area. With respect to operations hercunder, Non-Operators agree to release Operator from any and all losses, damages, injuries, claims 25 and causes of action arising out of, incident to or resulting directly or indirectly from Operator's interpretation or application of rules, 26 rulings, regulations or orders of the Department of Energy or predecessor or successor agencies to the extent such interpretation or ap-27 plication was made in good faith. Each Non-Operator further agrees to reimburse Operator for any amounts applicable to such Non-28 Operator's share of production that Operator may be required to refund, rebate or pay as a result of such an incorrect interpretation or application, together with interest and penalties thereon owing by Operator as a result of such incorrect interpretation or application. Non-Operators authorize Operator to prepare and submit such documents as may be required to be submitted to the purchaser 32 of any crude oil sold hereunder or to any other person or entity pursuant to the requirements of the "Crude Oil Windfall Profit Tax Act 33 of 1930", as some may be amended from time to time ("Act"), and any valid regulations or rules which may be issued by the Treasury 34 Department from time to time pursuant to said Act. Each party hereto agrees to furnish any and all certifications or other information 35 which is required to be furnished by said Act in a timely manner and in sufficient detail to permit compliance with said Act. ARTICLE XV. OTHER PROVISIONS Priority of Operations Notwithstanding anything herein to the contrary, it is agreed that when a well drilled under the terms of this Agreement shall have been drilled to the objective formation or depth and the parties participating in the well cannot mutually agree upon the sequence and timing of further operations regarding said well, the proposals shall cannot mutually agree upon the sequ be considered in the following order: A proposal to attempt to complete the well at either the objective dapth or objective formation, including the testing and logging of such well at such depth; A proposal to plug back and attempt to complete said well above the objective formation (if there is more than one proposal to plug back, the proposals will be considered in ascending order): A proposal to deepen said well in order to attempt a completion below the objective formation (if there is more than one proposal to deepen, the proposals shall be considered in descending order); 4. A proposal to sidetrack the well; and 5. A proposal to plug and abandon the well. Notwithstanding any other provisions herein, if during the term of this agreement, a well is required to be drilled, despened, reworked, plagged back, sidetracked, or recompleted, or any other operation that may be required in order to (1) continue a lease or leases in force and effect, or (2) maintain a unitized area or any portion thereof in force and effect, or (3) earn or preserve and interest in and to oil and/or gas and other minerals which may be owned by a third party or which, falling in such operation, may revort to a third perty, or, (4) comply with an order issued by a regulatory body having jurisdiction in the premises, falling in which certain rights would terminate, the following shall apply. Should less than all perties hersto elect to participate and pay their proportionate part of the costs to be incurred in such operation, those parties desiring to participate shall have the right to do so at their sole cost, risk, and expense. Promptly following the conclusion of such operation, each of those parties not participating agree to execute and deliver an appropriate assignment to the total interest of each non-participating party in and to the lease, leases, or rights, LIMITED TO THE SRO UNIT DEPTHS, which would have terminated or which otherwise may have been preserved by Virtue of such operation, and in and to the lease, leases, or rights, LIMITED TO THE SRO UNIT DEPTHS, which well was drilled, excepting, however, wells therefore completed and capable of producing in paying quantities. Such assignment

This Operating Agreement dated May 8, 2009 supersedes and replaces any current Operating Agreement covering the contract area. C.

excepting, however, wells therefore completed and capable of producing in paying quantities. Such assignment shall be delivered to the perticipating parties in the proportion that they bore the expense attributable to the non-participating parties' interest. For the purposes of defining a required operation under this provision, such operation will be deemed required if proposed within thirteen (13) months prior to the date such rights would

1	· ·	RTICLE XVI.								
2		CELLANEOUS								
3										
4		o the benefit of the parties hereto and to their respective heirs, devisees,								
5	5 legal representatives, successors and assigns.									
6										
7	This instrument may be executed in any number of counter	parts, each of which shall be considered an original for all purposes.								
8										
9	IN WITNESS WHEREOF, this agreement shall be effective	re as ofRthday of May(year) 2009 .								
10										
11										
12	01	PERATOR								
13										
14		MARBOB ENERGY CORPORATION								
15										
16										
17		0 . 00								
18		720 · 300 (11)								
19		Rays Milla	17							
20		V	ND							
2)										
22										
23	NON-	<b>OPERATORS</b>								
24	PITCH ENERGY CORPORATION_	THE ALLAR COMPANY								
25	ν νυ, <i>Π</i> υ									
26	Trave Miller									
27		NP								
28	YATES PETROLEUM CORPORATION	EG3, INC								
29										
30										
31										
32		•								
33	YATES DRILLING COMPANY	ABO PETROLEUM CORPORATION								
34										
35										
36		······································								
37										
38	MYCO INDUSTRIES, INC.	CHESAPEAKE EXPLORATION, LLC								
39										
40										
41										
47										
43	NEARBURG EXPLORATION COMPANY, LLC	LEGEND NATURAL GAS III E.P.								
44										
45										
46										
47										
	DEVON ENERGY PRODUCTION COMPANY LP									
	D. G. MINING FINANCESCOTT CONTENTS DO									
49										
50		_								
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										
61										
62										
63										
64										
65										
66										
67										
68										
69										
70										
. •										



# RATIFICATION AND JOINDER OF UNIT AGREEMENT AND UNIT OPERATING AGREEMENT

In consideration of the execution of the Unit Agreement for the Development and Operation of the SRO State Exploratory UNIT AREA, County of Eddy, State of New Mexico, dated May 8th, 2009, in form approved on behalf of the Commissioner of Public Lands, and in consideration of the execution or ratification by other working interest owners of the contemporary Unit Operating Agreement which relates to said Unit Agreement the undersigned hereby expressly ratifies, approves and adopts said Unit Agreement as fully as though the undersigned had executed the original agreement.

This Ratification and Joinder shall be effective as to the undersigned's interests in any lands and leases, or interests therein, and royalties presently held or which may arise under existing option agreements or other interests in unitized substances, covering the lands within the Unit Area in which the undersigned may be found to have an oil and gas interest.

This Ratification and Joinder of Unit Agreement shall be binding upon the undersigned, his, or her or its heirs, devisees, executors, assigns or successors in interest.

EXECUTED this 29th day of June	. 20 <u>09</u>
TRACT(S) See attached Exhibit "B"	
YATES PETROLEUM CORPORATION	YATES DRILLING COMPANY
By: John A. Yates, Jr., Attorney-in-Fact	By: Jafon Jaton Peyton Yates Aponey in Faci
MYCO INDUSTRIES, INC.	ABO PETROLEUM CORPORATION
By: Aboxon Anomey-in-Fact	By: Allomoyan-Fact
	Address: 105 South Fourth Street Artesia, NM 88210
ACKNOWLED	OGMENT
STATE OF NEW MEXICO ) ss.	
COUNTY OF EDDY ) This instrument was acknowledged before me this 29th	
Attorney-in-Fact of Yates Petroleum Corporation, and of About the About Corporations.	•
Paris J. Baler	Notary Public Och
NOTARY FUBLIC STATE OF NEW MEXICO	rounty rubic
My commission explose \$22.09 STATE OF NEW MEXICO )	
COUNTY OF EDDY ) ss.	
This instrument was acknowledged before me this 29th Attorney-in-Fact of Yates Drilling Company, a New Mexico	corporation, on behalf of said corporation.
OFFICIAL SEAL PRISE J. Bulker NOTARY PUBLIC-STATE OF NEW MEXICO	Notary Public J. Bahan
£-72-19	
STATE OF NEW MEXICO ) ) ss.	
COUNTY OF EDDY )	1 C Tupo 2000 by Charles
This instrument was acknowledged before me this 29th Attorney-in-Fact of Myco Industries, Inc., a New Mexico corp.	poration.
Attorney in runt or mayor managerous, man a real tributed torp	Notary Public Sehr
OFFICIAL SEAL	Notary Public
Paule J. Baker NOTARY PUBLIC-STATE OF NEW MEXICO	
0.02.49	

ŧ										
2	article XVI. Miscellaneous									
3 4 5	This agreement shall be binding upon and shall imme to the benefit of the parties harste and to their cospective heirs, devises, egol representatives, successors and astigns.									
7	This instrument may be executed in any number of counterparts, each of which shall be considered an original for all purposes.									
9	IN WITNESS WHEREOF, this agreement shall be offecti	ive as of								
1Q 11										
12 13	o	PERATOR								
14 15		MARBOB ENERGY CORPORATION								
16										
12		Ray Milla								
(9 20		- RD								
21 22										
23 24		-OPERATORS								
25 26	PHTCH ENERGY CORPORATION	THE ALLAR COMPANY								
27 28	May Mills	10 Jacobs								
29 30	YATES PETROLEUM CORPORATION	BGJ, INC								
31		- Greater								
	YATES DRILLING COMPANY	ABO PETROLEUM CORPORATION								
34 35										
36 37 38	MYCO INDUSTRIES, INC.	CHESAPEAKE EXPLORATION, LLC								
39										
41										
4.5	NEARBURG EXPLORATION COMPANY, LLC	LEGEND NATURAL CAS III L.P.								
44										
46 47										
48 <sup>0</sup>	DEVON ENERGY PRODUCTION COMPANY LP									
50 51 -		· <del>-</del>								
52 53										
54										
55 56										
57 58										
59 60										
61 62										
63 64										
65										
66 67										
68 69										
70										

# A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT - 1982

2		LE KVI. LAMEOUS									
3 4 5	This agreement shall be binding upon and shall more to the benefit of the purity hereto and to their sequences being derives, derives, legal representatives, successors and swigns.										
7	7 This instrument may be executed in any number of counterparts, much of which shall be considered on original for all purposes.										
9	•										
1)											
13											
15		MARSOS EHERGY CORPORATION									
16 17		50 6.: 00									
10		May Milla RD									
20 21											
13 13	NON-OPE	RATORS									
24 25	HTCH ENERGY CORPORATION	THE ALLAR COMPANY									
16 27	Haye Miller	· · · · · · · · · · · · · · · · · · ·									
21 29	YATES PETROLEUM CORPORATION	ECI, INC									
30 71											
32 33	YATES DRULING COMPANY	ABO PETROLEUM CORPORATION									
34 33											
36 37		Chesapeake Exploration, L.L.C., An Oklahoma limited liebility company  By:  Henry L. Henry Society View Professional									
38 37	MYCO INDUSTRIES, INC.	By:									
40 41		Henry J. Hood, Senior Vice President - Land and Legal & General Counsel									
*,	NEARBURG EXPLORATION COMPANY, LLC	LEGEND NATURAL CAS III L.P.									
44											
46	DEVON ENERGY PRODUCTION COMPANY UP										
49	DEVOK ENERGY PRODUCTION COMPANY OF										
30 51											
52 5)											
54 55											
36 37											
58 59											
40 61											
62 63											
j4 ij											
67											

#### EXHIBIT "A"

Attached to a made a part of that certain Joint Operating Agreement dated May 8, 2009, by and between Marbob Energy Corporation, as Operator, and Pitch Energy Corporation, et al, as Non-Operators.

# I. CONTRACT AREA/DEPTH RESTRICTIONS:

Township 25 South, Range 28 East, N.M.P.M.

Section 32: E/2E/2 Section 33: ALL Section 34: S/2

Township 26 South, Range 28 East, N.M.P.M. ALL OF SECTIONS 3-4, 9-10, 15, 17, 20

Section 2: W/2 Section 5: W/2 Section 7 : E/2 Section 8: E/2 Section 16: E/2E/2 Section 18: E/2

Containing 7,360 acres, more or less

## CONTRACT AREA IS LIMITED IN DEPTH FROM THE SURFACE TO THE BASE OF THE **BONE SPRING FORMATION**

## II. NAME, WORKING INTEREST PERCENTAGES, AND ADDRESSES OF THE PARTIES FOR **NOTICE PURPOSES:**

Marbob Energy Corporation

19.477715%

P.O. Box 227

Artesia, NM 88211-0227

16.856606%

Pitch Energy Corporation P.O. Box 304

Artesia, NM 88211-0304

Yates Petroleum Corporation 105 South 4<sup>th</sup> Street Artesia, NM 88210

13.028650%

6.663396%

Abo Petroleum Corporation 105 South 4<sup>th</sup> Street Artesia, NM 88210

6.663396%

Yates Drilling Company 105 South 4th Street Artesia, NM 88210

Myco Industries, Inc.

6.663396%

105 South 4th Street Artesia, NM 88210

20.162395%

The Allar Company P. O. Box 1567 Graham, TX 76450

10.484446%

Chesapeake Exploration LLC PO Box 18498

Oklahoma City, OK 73154

TOTAL 100%

# III. OIL AND GAS LEASES SUBJECT TO THE AGREEMENT:

SEE ATTACHED EXHIBIT A-1

Exhibit A-1

TRACT NUMBER DES	SCRIPTION OF LANDS	ACRES	SERIAL NUMBER	EXPIRATION DATE	BASIC ROYALTY AND PERCENTAGE	LESSEE OF RECORD	WORKING INTEREST OWNERS	WI Decimal	Net Acres	
	NNSHIP 25 SOUTH, RANGE 28 EAST stion 32: E/2E/2	160	VB-0575	8/1/2009	0.1875		Yates Petroleum Corp. ABO Petroleum Corp Yates Drilling Company MYCO Industries, Inc. Marbob Energy Corp Pitch Energy Corp Legend Natural Gas Devon Energy Production Company LP	0.18322480 0.04257430 0.04257430 0.04257430 0.11959360 0.11959360 0.21045550 0.23940960	29.315968 6.811888 6.811888 6.811888 19.134976 19.134976 33.67288 38.305536	(
2 Se	ction 33: N/2	320	VB-0576	8/1/2009	0.1875		Yates Petroleum Corp. ABO Petroleum Corp Yates Drilling Company MYCO Industries, Inc. Marbob Energy Corp Pitch Energy Corp Legend Natural Gas Devon Energy Production Company LP	0.18322480 0.04257430 0.04257430 0.04257430 0.11959360 0.11959360 0.21045550 0.23940960	58.631936 13.623776 13.623776 13.623776 38.269952 38.269952 67.34576 76.611072	
3 Se	ction 33: S/2	320	VB-0569	8/1/2009	0.1875	YATES PETROLEUM CORPORATION	Yates Petroleum Corp. ABO Petroleum Corp Yates Drilling Company MYCO Industries, Inc. Marbob Energy Corp Pitch Energy Corp Legend Natural Gas Devon Energy Production Company LP	0.18322480 0.04257430 0.04257430 0.04257430 0.11959360 0.11959360 0.21045550 0.23940960	58.631936 13.623776 13.623776 13.623776 38.269952 38.269952 67.34576 76.611072	(

4	Section 34: S/2	320	V-7085	7/1/2009 - Prod	0.16667	MARBOB ENERGY CORPORATION	Marbob Energy Corp	0.19505495	62.417584	
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
	TOWNSHIP 26 SOUTH, RANGE 28 EAST									
5	Section 2: W/2	320	VB-0694	7/1/2010	0.1875	YATES PETROLEUM CORPORATION	Marbob Energy Corp	0.19505495	62.417584	
							Pitch Energy Corp	0.19505495	62.417584	<i>(</i> )
							Yates Petroleum Corp.	0.07554945	24,175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24,175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
6	Section 3: E/2	320	V-7438	7/1/2010	0.16667	The Allar Company	Marbob Energy Corp	0.19505495	62.417584	
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
										$\circ$
7	Section 3: W/2	320	V-7461	7/1/2010	0.16667	Yates Petroleum Corporation	Marbob Energy Corp	0.19505495	62.417584	
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	

8	Section 4: E/2	320	V-7439	7/1/2010	0.16667	The Allar Company	Marbob Energy Corp	0.19505495	62.417584
							Pitch Energy Corp	0.19505495	62.417584
							Yates Petroleum Corp.	0.07554945	24.175824
							ABO Petroleum Corp	0.07554945	24.175824
							Yates Drilling Company	0.07554945	24.175824
							MYCO Industries, Inc.	0.07554945	24.175824
							The Aliar Company	0.30769230	98.461536
9	Section 4: W/2	320	V-7462	7/1/2010	0.16667	Yates Petroleum Corporation	Yates Petroleum Com.	0.18322480	58.631936
						·	ABO Petroleum Corp	0.04257430	13.623776
							Yates Drilling Company	0.04257430	13.623776
							MIYCO Industries, Inc.	0.04257430	13.623776
							Marbob Energy Corp	0.11959360	38.269952
							Pitch Energy Corp	0.11959360	38.269952
							Legend Natural Gas	0.21045550	67.34576
							Devon Energy Production Company LP	0.23940960	76.611072
10	Section 5: E/2	320	V-7440	7/1/2010	0.16667	Legend Natural Gas III LP	Yates Petroleum Corp.	0.18322480	58.631936
UNCOMMITTE	D						A8O Petroleum Corp	0.04257430	13.623776
							Yates Drilling Company	0.04257430	13.623776
							MYCO Industries, Inc.	0.04257430	13.623776
							Marbob Energy Corp	0.11959360	38.269952
							Pitch Energy Corp	0.11959360	38.269952
							Legend Natural Gas	0.21045550	67.3457 <del>6</del>
							Devon Energy Production Company LP	0.23940960	76.611072
11	Section 5: W/2	320	V-7463	7/1/2010	0.16667	Yates Petroleum Corporation	Yates Petroloum Corn	0.18322480	ED 631036
				.,.,		The second of th	ABO Petroleum Corp	0.04257430	58.631936
							Yates Drilling Company	0.04257430	13.623776
							MYCO Industries, Inc.	0.04257430	13.623776
							Marbob Energy Corp	0.11959360	13.623776 38.269952
							Pitch Energy Corp	0.11959360	38.269952 38.269952
							Legend Natural Gas	0.21045550	67.34576
							Devon Energy Production Company LP	0.23940960	76.611072
							Bt . connection combant ct.	V.4JJ4UJUU	\0.0110/Z

12	Section 6: E/2	320	V-7441	7/1/2010	0.16667		Yates Petroleum Corp. ABO Petroleum Corp	0.18322480 0.04257430	58.631936 13.623776	
UNCOMMITTED	1						Yates Drilling Company	0.04257430	13.623776	
							MYCO Industries, Inc.	0.04257430	13.623776	
							Marbob Energy Corp	0.11959360	38.269952	
							Pitch Energy Corp	0.11959360	38.269952	
							Legend Natural Gas	0.21045550	67.34576	
							Devon Energy Production Company LP	0.23940960	76.611072	
										$\bigcirc$
13	Section 7: E/2	320	V-7465	7/1/2010	0.16667	Yates Petroleum Corporation	Yates Petroleum Corp.	0.18322480	58.631936	
	•						ABO Petroleum Corp	0.04257430	13.623776	
							Yates Drilling Company	0.04257430	13.623776	
							MYCO Industries, Inc.	0.04257430	13.623776	
							Marbob Energy Corp	0.11959360	38.269952	
							Pitch Energy Corp	0.11959360	38.269952	
							Legend Natural Gas	0.21045550	67.34 <b>5</b> 76	
							Devon Energy Production Company LP	0.23940960	76.611072	
		•								
14	Section 8: W/2	320	V-7443	7/1/2010	0.16667	Legend Natural Gas III LP	Yates Petroleum Corp.	0.18322480	58.631936	
UNCOMMITTE	D						ABO Petroleum Corp	0.04257430	13.623776	
							Yates Drilling Company	0.04257430	13.623776	
							MYCO Industries, Inc.	0.04257430	13.623776	
							Marbob Energy Corp	0.11959360	38.269952	$\bigcirc$
							Pitch Energy Corp	0.11959360	38.269952	
							Legend Natural Gas	0.21045550	67.34576	
							Devon Energy Production Company LP	0.23940960	76.611072	

15	Section 8: E/2	320	V-7466	7/1/2010	0.16667	Marbob Energy Corporation	Yates Petroleum Corp.	0.18322480	58.631936	
							ABO Petroleum Corp	0.04257430	13.623776	
							Yates Drilling Company	0.04257430	13.623776	
							MYCO Industries, Inc.	0.04257430	13.623776	
							Marbob Energy Corp	0.11959360	38.269952	
							Pitch Energy Corp	0.11959360	38.269952	
							Legend Natural Gas	0.21045550	67.34576	
							Devon Energy Production Company LP	0.23940960	76.611072	
16	Section 9: W/2	320	V-7444	7/1/2010- Prod	0.16667	The Allar Company	Marbob Energy Corp	0.19505495	62.417584	ر
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroieum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Aliar Company	0.30769230	98.461536	
17	Section 9: E/2	320	V-7467	7/1/2010 - Prod	0.16667	Yates Petroleum Corporation	Marbob Energy Corp	0.19505495	62.417584	
	•			, ,		·	Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	$\mathcal{C}$
18	Section 10: W/2	320	VB-0677	7/1/2010	0.1875	The Allar Company	Marbob Energy Corp	0.19505495	62.417584	_
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
				•			The Allar Company	0.30769230	98.461536	

19	Section 10: E/2	320	V8-0695	7/1/2010	0.1875	Yates Petroleum Corporation		0.19505495	62.417584	
							Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
20	Section 15: E/2	320	V-7445	7/1/2010	0.16667	The Allar Company	Marbob Energy Corp	0.19505495	62.417584	
20	Section 15. E/2	320	· /5	,,=,====		· ·	Pitch Energy Corp	0.19505495	62.417584	$\sim$
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
	,						MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
	C 45. M/7	320	V-7468	7/1/2010	0.16667	Yates Petroleum Corporation	Marbob Energy Corp	0.19505495	62.417584	
21	Section 15: W/2	320	V-7400	//1/2010	4.2000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Orilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	
							• •			0
	Section 16: E/2E/2	160	V-7446	7/1/2010	0.16667	The Allar Company	Marbob Energy Corp	0.19505495	31.208792	
22	Section 16: E/2E/2	100	* / 440	,,2,0020	*******		Pitch Energy Corp	0.19505495	31.208792	
							Yates Petroleum Corp.	0.07554945	12.087912	
							ABO Petroleum Corp	0.07554945	12.087912	
							Yates Drilling Company	0.07554945	12.087912	
							MYCO Industries, Inc.	0.07554945	12.087912	
							The Allar Company	0.30769230	49.230768	
23	Section 17: E/2	320	V-7447	7/1/2010	0.16667	Chesapeake Exploration LP	Chesapeake Exploration Limited Partnership	1.00000000	320	
	<del>-</del>									



24	Section 17: W/2	320	V-7470	7/1/2010	0.16667	Yates Petroleum Corporation	Yates Petroleum Corp.	0.35000000	112	
	·						ABO Petroleum Corp	0.05000000	16	
							Yates Drilling Company	0.05000000	16	
							MYCO Industries, Inc.	0.05000000	16	
		•					Marbob Energy Corp	0.50000000	160	
25	Section 18: E/2	320	V-7448	7/1/2010	0.16667	Chesapeake Exploration LP	Chesapeake Exploration Limited Partnership	1.00000000	320	
26	Section 20: W/2	320	V-7450	7/1/2010	0.16667	Nearburg Exploration Company, LLC	Nearburg Exploration Company, LLC	1.00000000	320	(
27	Section 20: E/2	320	V-7473	7/1/2010	0.16667	Marbob Energy Corporation	Marbob Energy Corp	0.19505495	62.417584	
-,	#600.011 E2 - 1 - 1			• •			Pitch Energy Corp	0.19505495	62.417584	
							Yates Petroleum Corp.	0.07554945	24.175824	
							ABO Petroleum Corp	0.07554945	24.175824	
							Yates Drilling Company	0.07554945	24.175824	
							MYCO Industries, Inc.	0.07554945	24.175824	
							The Allar Company	0.30769230	98.461536	

# RECAPITULATION

Acres of State of New Mexico Lands = 100%

Acres of Fee Lands = 0%

100%

LEASE BASIS	
TOTAL COMMITTED ACRES	7360
TOTAL UNCOMMITTED ACRES	960
TOTAL ACRES	8320

Marbob Energy Corp	0.18507511	1188.974488
Pitch Energy Corp	0.16016961	1028.974488
Yates Petroleum Corp.	0.12379680	795.305384
ABO Petroleum Corp	0.06331485	406.752344
Yates Drilling Company	0.06331485	406.752344
MYCO Industries, Inc.	0.06331485	406.752344
The Allar Company	0.19158086	1230.7692
Chesapeake Exploration LLC	0.09962205	640

Nearburg ORI 0.00415092

**Nearburg Exploration Company LLC** 

**Unit Working Interest** 

TOTAL

Nearburg TA'd to all parties propo	rtionately
making new WI:	
Unit Working Interest	
Marbob Energy Corp	0.19477715
Pitch Energy Corp	0.16856606
Yates Petroleum Corp.	0.13028650
ABO Petroleum Corp	0.06663396
Yates Drilling Company	0.06663396
MYCO Industries, Inc.	0.06663396
The Allar Company	0.20162395
Chesapeake Exploration LLC	0.10484446
Nearburg Exploration Company LLC	
TOTAL	1.00000000

320

1.00000000 6424.280592

0.04981102

THERE IS NO EXHIBIT "B" TO THIS DOCUMENT

# etroleum Accountants Societies OPAS

# EXHIBIT "C"

Attached to and made a part of Attached to a made a part of that certain Joint Operating Agreement dated May 8, 2009, by and between Marbob Energy Corporation, as Operator, and Pitch Energy Corporation, et al., as Non-Operators.

# ACCOUNTING PROCEDURE JOINT OPERATIONS

#### I. GENERAL PROVISIONS

#### 1. Definitions

5Ř

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

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

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

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

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

"Parties" shall mean Operator and Non-Operators.

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

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

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

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

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

#### 2. Statement and Billings

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

#### 3. Advances and Fayments by Non-Operators

- A. Unless otherwise provided for in the agreement, the Operator may require the Non-Operators to advance their share of estimated cash outlay for the succeeding month's operation within fifteen (15) days after receipt of the billing or by the first day of the month for which the advance is required, whichever is later. Operator shall adjust each monthly billing to reflect advances received from the Non-Operators.
- B. Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made within such time, the unpaid balance shall bear interest monthly at the prime rate in effect at \_\_\_\_\_\_\_ Chase Manhatton Bank\_\_\_\_\_ on the first day of the month in which delinquency occurs plus 1% or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of property.

## 4. Adjustments

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

COPYRIGHT © 1985, 2004 by the Council of Petroleum Accountants Societies.

- 1 -



#### 5. Audits

Q

- 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 L 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 mirimum of inconvenience to the Operator. Operator shall bear no portion of the Non-Operators' audit cost incurred under this paragraph unless agreed to by the Operator. The audits shall not be conducted more than once each year without prior approval of Operator, except upon the resignation or removal of the Operator, and shall be made at the expense of those Non-Operators approving such audit.
- B. The Operator shall reply in writing to an audit report within 180 days after receipt of such report.

#### 6. Appreval By Neo-Operators

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

#### II. DIRECT CHARGES

Operator shall charge the Joint Account with the following items:

#### 1. Ecological and Environmental

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

#### 2. Rentals and Royalties

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

#### 3. Labor

- A. (1) Salaries and wages of Operator's field employees directly employed on the Joint Property in the conduct of Joint Operations.
  - (2) Salaries of First level Supervisors in the field.
  - (3) Salaries and wages of Technical Employees directly employed on the Joint Property if such charges are excluded from the overhead rates.
  - (4) Salaries and wages of Technical Employees either temporarily or permanently assigned to and directly employed in the operation 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 customory 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.

# 4. Employee Benefits

Operator's current costs or established plans for employees' group life insurance, hospitalization, pension, retirement, stock purchase, thrift, boxus, and other benefit plans of a like nature, applicable to Operator's labor cost chargeable to the Joint Account under Paragraphs 3A and 3B of this Section II shall be Operator's actual cost not to exceed the percent most recently recommended by the Council of Petroleum Accountants Societies.



#### 5. Material

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

6. Transpertation

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

- A. If Material is moved to the Joint Property from the Operator's warehouse or other properties, no charge shall be made to the Joint Account for a distance greater than the distance from the nearest reliable supply store where like material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.
- B. If surplus Material is moved to Operator's warehouse or other storage point, no charge shall be made to the Joint Account for a distance greater than the distance to the nearest reliable supply store where like material is normally evailable, or railway receiving point nearest the Joint Property unless agreed to by the Parties. No charge shall be made to the Joint Account for moving Material to other properties belonging to Operator, unless agreed to by the Parties.
- C. In the application of subparagraphs A and B above, the option to equalize or charge actual trucking cost is available when the actual charge is \$400 or less excluding accessorial charges. The \$400 will be adjusted to the amount most recently recommended by the Council of Petroleum Accountants Societies.

#### Services

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

#### 8. Equipment and Facilities Furnished By Operator

- A. Operator shall change the Joint Account for use of Operator owned equipment and facilities at rates commensurate with costs of ownership and operation. Such rates shall include costs of maintenance, repairs, other operating expense, insurance, taxes, depreciation, and interest on gross investment less accumulated depreciation not to exceed twelve percent (12 %) per annum. Such rates shall not exceed average commercial rates currently prevailing in the immediate area of the Joint Property.
- B. In lieu of charges in Paragraph 8A above, Operator may elect to use average commercial rates prevailing in the immediate area of the Joint Property less 20%. For automotive equipment, Operator may elect to use rates published by the Petroleum Motor Transport Association.

#### 9. Damages and Losses to Joint Property

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

## to. Legal Expense

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

## (). Taxe:

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



1	12	finsurance
2		
3		Net premiums paid for insurance required to be carried for the Joint Operations for the protection of the Parties. In the event Joint Operations are conducted in a state in which Operation and Operations are conducted in a state in which Operation and Operations are conducted in a state in which Operation and Operations are conducted in a state in which Operation and Operations are conducted in a state in which Operation and Operations are conducted in a state in which Operation are stated in the Operation of t
5		Operations are conducted in a state in which Operator may act as self-insurer for Worker's Compensation and/or Employers Liability under the respective state's laws, Operator may, at its election, include the risk under its self-insurance program and in that event,
6		Operator shall include a charge at Operator's cost not to exceed manual rates.
7		
8 9	13.	Abandenment and Recismation
ιa		Costs incurred for abandonment of the Joint Property, including costs required by governmental or other regulatory authority.
11		A
12	14.	Communications .
14		Cost of acquiring, leasing, installing, operating, repairing and maintaining communication systems, including radio and microwave
15		facilities directly serving the Joint Property. In the event communication facilities/systems serving the Joint Property are Operator
16 17		owned, charges to the Joint Account shall be made as provided in Paragraph 8 of this Section 11.
18	15.	Other Expenditures
19		
20		Any other expenditure not covered or dealt with in the foregoing provisions of this Section II, or in Section III and which is of direct
21		benefit to the Joint Property and is incurred by the Operator in the necessary and proper conduct of the Joint Operations.
23		
24		III. OVERHEAD
25 26	t.	Overhead - Drilling and Producing Operations
27		Over severa - transferred Observability
28		i. As compensation for administrative, supervision, office services and warehousing costs, Operator shall charge drilling and
29		producing operations on either:
30 31		(X) Fixed Rate Basis, Paragraph IA, or
32		( ) Percentage Basis, Paragraph IB
33		
34 35		Unless otherwise agreed to by the Parties, such charge shall be in lieu of casts and expenses of all offices and salaries or wages plus applicable burdens and expenses of all personnel, except those directly chargeable under Paragraph 3A, Section II. The cost
36		and expense of services from outside sources in connection with matters of taxation, traffic, accounting or matters before or
37		involving governmental agencies shall be considered as included in the overhead rates provided for in the above selected Paragraph
38		of this Section III unless such cost and expense are agreed to by the Panies as a direct charge to the Joint Account.
39 40		ii. The solaries, wages and Personal Expenses of Technical Employees and/or the cost of professional consultant services and
41		contract acroices of technical personnel directly employed on the Joint Property:
42		C Nahali ka asasasad ka da ara-ka adama ar
43 44		( ) shall be covered by the overhead rates, or ( X ) shall not be covered by the overhead rates.
45		
46		iii. The salaries, wages and Personal Expenses of Technical Employees and/or costs of professional consultant services and
47 48		contract services of technical personnel either temporarily or permanently assigned to and directly employed in the operation of the Joint Property:
49		······································
50		( X ) shall be covered by the overhead rates, or
51 52		( ) shall not be covered by the overhead rates.
53		A. Overhead - Fixed Rate Basis
54		d). O and Add at the second of the second of the second
55 56		(1) Operator shall charge the Joint Account at the following rates per well per month:
57		Orilling Well Rate S 6000.00
58		(Promed for less than a full month)
59 60		Producing Well Rate \$ 600.00
61		
62		(2) Application of Overhead - Fixed Rate Basis shall be as follows:
63		(a) Delline Med Dese
64 65		(a) Drilling Well Rate
66		(i) Charges for drilling wells shall begin on the date the well is spudded and terminate on the date the drilling
67		rig, completion rig, or other units used in completion of the well is released, whichever is later, except that no
68 69		
70		

COPAS 1984-1 ONSHORE Ravised April 23, 2004 Resommended by the Council of Petroleum Accountants Societies

-COPAS<sub>7</sub>

1			change shall be made during suspension of drilling or completion operations for fifteen (15) or more	
2			consecutive calendar days.	
3				
4			(2) Charges for wells undergoing any type of workover or recompletion for a period of five (5) consecutive work days	
5			or more shall be made at the drilling well rate. Such charges shall be applied for the period from date	
6			workover operations, with rig or other units used in workover, commence through date of rig or other unit	
7			release, except that no charge shall be made during suspension of operations for lifteen (15) or more	
8			consocutive 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 a one-well	
13			change for the entire month.	
14				
15			(2) Each active completion in a multi-completed well in which production is not commanged down hole shall	
16			be considered as a one-well charge providing each completion is considered a separate well by the	
17			governing regulatory authority.	
18				
19			(3) An inactive gas well shut in because of overproduction or failure of purchaser to take the production shall	
20			be considered as a one-well charge providing the gas well is directly connected to a permanent sales outlet.	
21				
22			(4) A one-well charge shall be made for the month in which plugging and abandonment operations are completed on	
23			any well. This one-well charge shall be made whether or not the well has produced except when drilling well	
24			rate applies.	
25				
26			(5) All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease	
27			allowable, transferred allowable, etc.) shall not qualify for an overhead charge.	
28				
29		•	e well rates shall be adjusted as of the first day of April each year following the effective date of the agreement to which	
30		this	Accounting Procedure is attached by the percent increase or decrease published by COPAS.	
31				
32		B. Overhead	- Percentage Basis	
33				
34		(1) Up	erator shall charge the Joint Account at the following rates:	
35		(2)	Development	
36		(4)	темлорияси.	
37				
70			Percent ( %) of the cost of development of the Joint Property exclusive of costs	
38			Percent (	
39			Percent (	
39 40		(b)	provided under Paragraph 10 of Section II and all salvage credits.	
39 40 41		(b)		
39 40		<b>(b)</b>	provided under Paragraph 10 of Section II and all salvage credits.	
39 40 41 42		<b>(b)</b>	provided under Paragraph 10 of Section II and all salvage credits.  Operating	
39 40 41 42 43		(ь)	provided under Paragraph 10 of Section II and all salvage credits.  Operating  Percent (	
39 40 41 42 43 44		(Ь)	Percent (	
39 40 41 42 43 44			Operating  Percent (	
39 40 41 42 43 44 45 46			Percent ( %) of the cost of operating the Joint Property exclusive of costs provided wader Forngraphs 2 and 10 of Section II, all salvage credits, the value of injected substances purchased for secondary recovery and all taxes and assessments which are levied, assessed and paid upon the mineral interest in	
39 40 41 42 43 44 45 46 47		(2) Ap	Percent (	
39 40 41 42 43 44 45 46 47		(2) Ap	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51		(2) Ap For inc	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52		(2) Ap For inc the	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53		(2) Ap For inc the exp	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54		(2) Ap For inc the exp ess	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55		(2) Ap For inc the exp exp pro	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56		(2) Ap For inc the exp exp pro	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57		(2) Ap For inc the exp as pro oth	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57	2.	(2) Ap For inc the exp as pro oth	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58	2.	(2) Ap For inc the exp as pro oth Overbead - M	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 57 58 59 60	2.	(2) Ap For inc the exp as pro oth  Overhead - M To cognpensus	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	2.	(2) Ap For inc the exp as pro oth  Overhead - M  To compensate	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	2.	(2) Ap  For inc  the  ext  as  pro  oth  Overhead - M  To compensate any other proje either negotials	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 60 61 62 63	2.	(2) Ap  For inc  the  ext  as  pro  oth  Overhead - M  To compensate any other proje either negotials	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56 60 61 62 63 64	2.	(2) Ap  For inc the exp as pro oth  Overhead - M  To compensate any other projective negotian for any Major (	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 57 58 59 60 61 62 63 64 65	2.	(2) Ap  For inc the exp as pro oth  Overhead - M  To compensate any other projective negotian for any Major (	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 66	2.	(2) Ap  For inc the exp as pro oth  Overhead - M  To compensate any other proj either negotiat for any Major of	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 55 66 61 62 63 64 64 65 66	2.	(2) Ap  For inc  the exp  as  pro  oth  Overhead - M  To connection  any other proj  either negotian  for any Major (  A	Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 57 58 59 60 61 62 63 64 64 64 64 64 64 64 64 64 64 64 64 64	2.	(2) Ap For inc the exp as pro oth  Overhead - M  To compensate any other projecther negotial for any Major (A	Operating  Percent (	
39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 55 55 66 61 62 63 64 64 65 66	2.	(2) Ap For inc the exp as pro oth  Overhead - M  To compensate any other projecther negotial for any Major (A	Operating  Percent (	





Total cost shall mean the gross cost of any one project. For the purpose of this paragraph, the component parts of a single project shall not be treated separately and the cost of drilling and workover wells and artificial lift equipment shall be excluded. 1 4 3. Catastrophe Overhead 4 To compensate Operator for overhead costs incurred in the overst of expenditures resulting from a single occurrence due to oil spill, 7 blowous, explosion, fire, storm, hurricane, or other catastrophes as agreed to by the Parties, which are necessary to restore the Joint 8 Property to the equivalent condition that existed prior to the event causing the expenditures, Operator shall either negotiate a rate 9 prior to charging the Joint Account or shall charge the Joint Account for overhead based on the following rates: 10 11 A. \_\_\_\_5 % of total costs through \$100,000; plus 12 13 B. 3 % of total costs in excess of \$100,000 but less than \$1,000,000; plus 15 C. 2 % of total costs in excess of \$1,000,000. 16 17 Expenditures subject to the overheads above will not be reduced by insurance recoveries, and no other overhead provisions of this 18 Section III shall monty. 19 20 4. Amendment of Rates 21 The overhead rates provided for in this Section III may be amended from time to time only by mutual agreement between the Parties hereto 22 23 if, in practice, the rates are found to be insufficient or excessive. 24 25 PRICING OF JOINT ACCOUNT MATERIAL PURCHASES, TRANSFERS AND DISPOSITIONS 26 IV. 27 28 Operator is responsible for Joint Account Material and shall make proper and timely charges and credits for all Material movements affecting the 29 Joint Property. Operator shall provide all Material for use on the Joint Property; bowever, at Operator's option, such Material may be supplied 30 by the Non-Operator. Operator shall make timely disposition of idle and/or surplus Material, such disposal being made either through sale to 31 Operator or Non-Operator, division in kind, or sale to outsiders. Operator may purchase, but shall be under no obligation to purchase, interest 12 of Non-Operators in surplus condition A or B Meterial. The disposal of surplus Controllable Material not purchased by the Operator shall be agreed 33 to by the Parties 34 35 ī. Purchases 76 37 Material purchased shall be charged at the price gold by Operator after deduction of all discounts received. In case of Material found 38 to be defective or returned to vendor for any other reasons, credit shall be passed to the Joint Account when adjustment has been received 39 by the Operator. 40 41 Transfers and Dispositions 47 Material farmished to the Joint Property and Material transferred from the Joint Property or disposed of by the Operator, unless 43 44 otherwise agreed to by the Parties, shall be priced on the following basis exclusive of each discounts: 45 46 A. New Material (Condition A) 47 48 (1) Tubular Goods Other than Line Pine 49 50 (a) Tubular goods, sized 2 3/8 inches OD and larger, except tine pipe, shall be priced at Eastern mill published carload 51 base prices effective as of date of movement plus transportation cost using the 80,000 pound carload weight basis 52 to the railway receiving point nearest the Joint Property for which published rail rates for tubular goods exist. If the 53 80,000 pound rail rate is not offered, the 70,000 pound or 90,000 pound rail rate may be used. Freight charges 54 for taking will be calculated from Lorain. Obio and casing from Youngdown. Obio 55 56 (b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus transportation 57 cost from that mill to the railway receiving point nearest the Joint Property as provided above in Paragraph 2.A.(1)(a). 58 For transportation cost from points other than Eastern snills, the 30,000 pound Oil Field Haulers Association interstate 50 muck rate shall be used. 60 61 (c) Special end finish subular goods shall be priced at the lowest published out-of-stock price, (lo.b. Houston, Texas, 62 plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate, to the railway receiving 63 point pearest the Joint Property. 64 65 (d) Macaroni tubing (size less than 2 3/8 inch OD) shall be priced at the lowest published out-of-stock prices fo.b. the 66 supplier plus transportation costs, using the Oil Field Hanlers Association interstate truck rate per weight of 67 tubing transferred, to the railway receiving point searest the Joint Property.

ſ		
l	1	
l	2	
l	3 4	
	5	
l	7	
١	8	
l	10	
	() (3	
l	13	
l	14 15	
l	16 17	
	17 18	
ĺ	19 20	
	21	
	22 23	
	24	
	25 26	
l	27	
	29	
l	30 31	
	32	
1	33 34	
	35 16	
	37	
	38 39	
	40	
	41 42	
Ì	43	
	45	
	46 47	
	48	
	49 50	
	51 52	
	53	
١	54 55	
	56 57	
	58	
	59 60	
	61	
	62 63	
	64 65	
	66	
	67 68	
	6 <del>9</del>	

70

#### (2) Line Pipe

í

- (a) Line pipe movements (except size 24 inch OD and larger with walls % inch and over) 30,000 pounds or more shall be priced under provisions of tubular goods pricing in Paragraph A.(IXa) as provided above. Freight charges shall be colculated from Lorain, Ohio.
- (b) Line Pape movements (except size 24 inch OD and larger with walls it such and over) less than 30,000 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment, plus the percent most recently recommended by COPAS, plus transportation costs based on freight rates as set forth under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
- (c) Line pipe 24 inch OD and over and ¼ inch wall and larger shall be priced f.o.b. the point of transfacture at correst new published prices plus transportation cost to the railway receiving point nearest the Joint Property.
- (d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at prices agreed to by the Parties.
- (3) Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transponation costs, if applicable, to the railway receiving point nearest the Joint Property.
- (4) Unused new Material, except tubular goods, moved from the Joint Property shall be priced at the current new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or point of mozufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. Unused new tubulars will be priced as provided above in Paragraph 2.A.(I) and (2).
- B. Good Used Material (Condition B)

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

(1) Material moved to the Joint Property

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

- (2) Material used on and moved from the Joint Property
  - (a) At seventy-five percent (75%) of current new price, as determined by Paragraph A, if Moterial was onginally changed to the Joint Account as new Material or
  - (b) At sixty-five percent (65%) of current new price, as determined by Paragraph A, if Material was originally charged to the Joint Account as used Material
- (3) Material not used on and moved from the Joint Property

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

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

- C Other Used Material
  - (1) Condition C

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

(2) Condition D

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

- (a) Casing, ruting, or drill pipe used as line pipe shall be priced as Grade A and B seamless line pipe of comparable size and weight. Used casing, tubing or drill pipe utilized as line pipe shall be priced at used line pipe prices.
- (b) Casing, tubing or drill pipe used as higher pressure service lines than standard line pipe, e.g. power oil lines, shall be priced under normal pricing procedures for easing, tubing, or drill pipe. Upset tubular goods shall be priced on a non-upset basis.



(3)	Condition	E

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

#### D. Obsolete Material

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

#### E. Pricine Conditions

- (1) Loading or valoading costs may be charged to the Joint Account at the rate of twenty-five cents (25¢) per hundred weight on all tubular goods movements, in lieu of actual loading or unloading costs sustained at the stocking point. The above rate shall be adjusted as of the first day of April each year following January 1, 1985 by the same percentage increase or decrease used to adjust overhead rates in Section III, Paragraph 1.A.(3). Each year, the rate calculated shall be rounded to the nearest cent and shall be the rate in effect until the first day of April next year. Such rate shall be published each year by the Council of Persoleum Accountants Societies.
- (2) Material involving crection costs shall be charged at applicable percentage of the current knocked-down price of new Material.

#### 3. Premium Prices

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

#### 4. Warranty of Material Furnished By Operator

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

#### v. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

# 1. Periodic Inventories, Notice and Representation

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

#### 2. Reconcillation and Adjustment of Inventories

Adjustments to the Joint Account resulting from the reconciliation of a physical inventory shall be made within six months following the taking of the inventory. Inventory adjustments shall be made by Operator to the Joint Account for overages and shortages, but, Operator shall be held accountable only for shortages due to lack of reasonable diligence

#### Special Inventories

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

#### 4. Expense of Conducting Inventories

- A. The expense of conducting periodic inventories shall not be charged to the Joint Account unless agreed to by the Parties
- B. The expense of conducting special inventories shall be charged to the Parties requesting such inventories, except inventories required due to change of Operator shall be charged to the Joint Account.

## **EXHIBIT "D"**

Attached to a made a part of that certain Joint Operating Agreement dated May 8, 2009, by and between Marbob Energy Corporation, as Operator, and Pitch Energy Corporation, et al, as Non-Operators.

- 1. OPERATOR shall, at all times while conducting operations hereunder, comply with all Workers' Compensation and Occupational Disease Laws including the United States Longshoremen's and Harbor Workers' Compensation Act; provided, however, that OPERATOR may be a self-insurer for liability under said compensation laws in which event the only charge that shall be made to the joint account shall be OPERATOR'S actual cost but not exceeding an amount equivalent to the premium which would have been paid had such insurance been obtained.
- 2. No other insurance shall be carried by **OPERATOR** for the joint account unless agreed to by all the parties hereto.
- OPERATOR shall require all contractors and subcontractors to carry such insurance in such amounts as OPERATOR deems adequate.
- 4. Each co-owner may procure such insurance with respect to the jointly owned properties and operations as it deems necessary to protect itself against claims and damages and all insurance policies shall be endorsed to provide that underwriters and insurance carriers of co-owner shall not have any right of subrogation against OPERATOR and other co-owners.

It is provided that in the event Operator should elect to carry well control insurance, then prior to the drilling of any well hereunder, if any co-owner hereunder so elects to be included as an insured under Operator's policy, the Operator shall advise said co-owner of its anticipated share of the premium for same. Co-owner shall then advise Operator whether or not it elects to be named as an insured under the policy, and co-owner shall be responsible for its proportionate share of the policy premium.

## **EXHIBIT "E"**

Attached to a made a part of that certain Joint Operating Agreement dated May 8, 2009, by and between Marbob Energy Corporation, as Operator, and Pitch Energy Corporation, et al, as Non-Operators.

# **GAS BALANCING AGREEMENT**

The parties to the Operating Agreement to which this agreement is attached own the working interest in the gas rights underlying the lands covered by such agreement (the "Contract Area") in accordance with the percentages of participation as set forth in Exhibit "A" to the Operating Agreement (the "participation percentage").

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

- 1. During the period or periods when any parties hereto collectively owning participation percentages of less than 50% have no market for their share of gas produced from any proration unit within the Contract Area, or their purchaser does not take its full share of gas producing from such proration unit, other parties collectively owning participation percentages of more than 50% shall be entitled to produce each month 100% of the lesser of (a) allowable gas production assigned to such proration unit by applicable state regulatory authority or (b) the delivery capacity of gas from such proration unit; provided, however, no party who does not have gas in place shall be entitled to take or deliver to a purchaser gas production in excess of 200% of the lesser of (c) its share of the volumes of gas capable of being delivered on a daily basis or (d) its share of allowable gas production. All parties hereto shall share in and own the liquid hydrocarbons recovered from such gas by lease equipment in accordance with their respective interests and subject to the Operating Agreement to which this agreement is attached, but the party or parties taking such gas shall own all of the gas delivered to its or their purchaser.
- 2. On a cumulative basis, each party not taking or marketing its full share of the gas produced shall be credited with gas in place equal to its full share of the gas produced under this Agreement, less its share of gas used in lease operations, vented or lost, and less that portion such party took or delivered to its purchaser. The Operator will maintain a current account of the gas balance between the parties and will furnish all parties hereto monthly statements showing the total quantity of gas produced, the amount used in lease operations, vented or lost, the total quantity of liquid hydrocarbons recovered therefrom, and the monthly and cumulative over and under account of each party.
- 3. Each Party producing, taking or delivering gas to its purchaser shall pay severance taxes, excise taxes, royalties, overriding royalties, production payments and other such payments and taxes on production for which it is obligated by law or by lease or contract (including Operating Agreement), and nothing in this Gas Balancing Agreement shall be construed as affecting such obligations. Each Party hereto agrees to indemnify and hold harmless the other Parties hereto against all claims, losses or liabilities arising out of its failure to fulfill such obligations.
- 4. After notice to the Operator, any party at any time may begin taking or delivering to its purchaser its full share of the gas produced from a proration unit under which it has gas in place less such party's share of gas used in operations, vented or lost. In addition to such share, each party, including the Operator, until it has recovered its gas in place and balanced the gas account as to its interest, shall be entitled to take or deliver to its purchaser a share of gas determined by multiplying 50% of the interest in the current gas production of the party or parties without gas in place by a fraction, the numerator of which is the interest in the proration unit of such party with gas in place and the denominator of which is the total percentage interest in such proration unit of all parties with gas in place currently taking or delivering to a purchaser.
- 5. Nothing herein shall be construed to deny any party the right, from time to time, to produce and take or deliver to its purchaser its full share of the allowable gas production to meet the deliverability tests required by its purchaser, provided that said test should be reasonable in length, normally not to exceed 72 hours.
- 6. If a proration unit ceases to produce gas and/or liquid hydrocarbons in paying quantities before the gas account is balanced, settlement will be made between the underproduced and overproduced parties. In making such settlement, the underproduced party or parties will be paid a sum of money by the overproduced party or parties attributable to the overproduction which said overproduced party received, less applicable taxes theretofore paid, at the applicable price defined below for the delivery of a volume of gas equal to that for which settlement is made. For gas, the price of which is not regulated by federal, state or other governmental egencies, the price basis shall be the price received for

the sale of the gas. For gas, the price of which is subject to regulation by federal, state or other governmental authorities, the price basis shall be the rate collected, from time to time, which is not subject to possible refund, as provided by the Federal Energy Regulatory Commission or any other governmental authority, pursuant to final order or settlement applicable to the gas sold from such well, plus any additional collected amount which is not ultimately required to be refunded by such authority, such additional collected amount to be accounted for at such time as final determination is made with respect hereto.

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

ł

- 8. Nothing herein shall change or affect each party's obligation to pay its proportionate share of all costs and liabilities incurred, as it share thereof is set forth in the Operating Agreement.
- 9. This agreement shall constitute a separate agreement as to each proration unit approved by the applicable regulatory authority for a pool within the Contract Area, but such proration unit shall not include any producing horizon which is not within the vertical limits of said pool. This agreement shall remain in force and effect so long as the Operating Agreement to which it is attached remains in effect, and shall inure to the benefit of and be binding upon the parties hereto, their heirs, successors, legal representatives and assigns.

## **EXHIBIT "F"**

## **EQUAL EMPLOYMENT OPPORTUNITY PROVISION**

Attached to a made a part of that certain Joint Operating Agreement dated May 8, 2009, by and between Marbob Energy Corporation, as Operator, and Pitch Energy Corporation, et al, as Non-Operators.

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

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

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

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

## **CERTIFICATION OF NONSEGREGATED FACILITIES**

By entering into this contract, the Operator certifies that Operator does not and will not maintain or provide for Operator's employees any segregated facilities at any of Operator's establishments, and that Operator does not and will not permit Operator's employees to perform their services at any location, under Operator's control, where segregated facilities are maintained. The Operator agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means, but is not limited to, any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking tots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom or otherwise. Operator further agrees that (except where Operator has obtained identical certifications from proposed contractors and subcontractors for specific time periods) Operator will obtain identical certifications from proposed contractors and subcontractors prior to the award of contracts or subcontracts exceeding \$10,000.00 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each contract and subcontract or for all contracts and subcontracts during a period (i.e., quarterly, semiannually, or annually).