

**DOYLE HARTMAN**

*Oil Operator*

**500 NORTH MAIN**

P.O. BOX 10426  
MIDLAND, TEXAS 79702

(915) 684-4011  
(915) 682-7616 FAX

*MS.*

*11476*

April 22, 1996

**Via FedEx**

Amoco Production Company  
510 Westlake Park Blvd. (77079)  
P.O. Box 3092  
Houston, TX 77253

Attn: W.R. Dukes, Land Manager

**Via FedEx**

Oryx Energy Company  
13155 Noel Road (75204-5067)  
P.O. Box 2880  
Dallas, TX 75221-2880

Attn: Fred Winter, Landman

**Hand-Delivered**

Meridian Oil Inc.  
3300 N. A Street, Bldg. 6  
P.O. Box 51810  
Midland, TX 79710-1810

Attn: Dennis E. Sledge, Area Land Manager

*27*

Re: Required Communitization Agreement  
Dublin-Rhodes Federal "Com" No. 1  
Lea County, New Mexico  
SW/4 Section 23, T-26-S, R-37-E, N.M.P.M.  
(3,325' Rhodes-Yates Test)

Gentlemen:

There is an immediate need to promptly proceed with the drilling of a 3325-foot Rhodes Pool gas well so as to protect against currently ongoing drainage of the standard 160-acre Rhodes gas spacing unit consisting of the SW/4 Section 23, T-26-S, R-37-E. The subject standard spacing unit is comprised of Texaco's 80-acre Federal Lease LC-032604(B) (W/2SW/4 Section 23) and Hartman, et al's 80-acre Federal Lease NM-90796 (E/2SW/4 Section 23). In accordance with pooling requirements mandated of an operator by NMSA 1978, Sec. 70-2-18-A, and so as to form a 160-acre Rhodes gas spacing unit consisting of a governmental quarter section as specified by the NMOCD in findings No.'s 4 and 5 of NMOCD Order R-9870 dated April 14, 1993 (copy enclosed), it is necessary to communitize (pool) Texaco's and Hartman's 80-acre Federal leaseholds in the SW/4 Section 23.

Amoco Production Company, et al  
April 22, 1996  
Page 2

Your company is record title holder in and under Federal Lease NM-90796 consisting, in part, of the E/2SW/4 Section 23, with Hartman, et al owning operating rights from surface to 3,500' under the E/2SW/4 Section 23. We have been informed by the BLM that although your execution is not required for Federal approval, as a courtesy, the BLM has asked that we include the record title holders as signatories to the necessary 160-acre Communitization Agreement.

Therefore, enclosed for your information, please find our April 17, 1996 letter to all owners of operating rights, in and under the SW/4 Section 23, regarding the drilling of a jointly-owned Rhodes-Yates gas well. Additionally, please find enclosed an original and duplicate original of our Communitization Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operators. It is respectfully requested that you execute and return the enclosed Communitization Agreement at your earliest convenience so that we can promptly move forward with the drilling of the subject well.

Your early attention to the enclosed is appreciated and should you wish to discuss this matter, please do not hesitate to call.

Very truly yours,

DOYLE HARTMAN, Oil Operator



Carolyn M. Sebastian, RLP  
Landman

enclosures (4)

rcp  
wpdocs\corresp.cms\dub-rho

cc: Armando Lopez, Asst. District Manager  
BLM  
1717 W. Second  
Roswell, NM 88201

William J. LeMay  
NMOCD  
2040 S. Pacheco  
Santa Fe, NM 87505

Amoco Production Company, et al  
April 22, 1996  
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William F. Carr  
Campbell, Carr & Berge, P.A.  
P.O. Box 2208  
Santa Fe, NM 87504-2208

Michael Condon  
Gallegos Law Firm  
460 St. Michaels Drive, Building 300  
Santa Fe, NM 87505

Ronald W. Lanning  
Texaco Exploration and Production Inc.  
P.O. Box 3109  
Midland, TX 79702

James A. Davidson  
214 W. Texas, Suite 710  
Midland, TX 79701

Larry A. Nermyr  
HC-57  
Box 4106  
Sydney, MT 59270

James E. Burr  
P.O. Box 8050  
Midland, TX 79708-8050

Ruth Sutton  
2826 Moss  
Midland, TX 79705

Doyle Hartman, Oil Operator  
Jefferson D. Massey, Controller  
Linda Land, Accountant  
Don L. Mashburn, Engineer  
Steve Hartman, Engineer  
Cindy Brooks, Engineering Tech  
Sheila Potts, Geologist

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

CASE NO. 10683  
ORDER NO. R-9870

APPLICATION OF MERIDIAN OIL, INC. FOR A NON-STANDARD GAS SPACING  
AND PRORATION UNIT, LEA COUNTY, NEW MEXICO

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on March 18, 1993 at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this 14th day of April, 1993 the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

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

(2) The applicant, Meridian Oil Inc. ("Meridian"), seeks approval of a 160-acre non-standard gas spacing and proration unit in the designated and Undesignated Rhodes-Yates-Seven Rivers Gas Pool comprising the SE/4 SE/4 of Section 10 and the NE/4 NE/4 and the S/2 NE/4 of Section 15, both in Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, said unit to be dedicated to its Gregory "B" Well No. 2 to be drilled at a standard gas well location in Unit A (NE/4 NE/4) of said Section 15.

(3) This application and hearing is the result of a denial by the Division (see letter on file with the Division dated February 15, 1993) of an administrative application for a 120-acre non-standard gas spacing and proration unit filed by Meridian in December, 1992, requesting the NE/4 NE/4 and S/2 NE/4 of said Section 15 be dedicated to the proposed well.

(4) The Rhodes-Yates-Seven Rivers Gas Pool is an unprorated gas pool governed under the Division's general Rules and Regulations which require 160-acre spacing and proration units, substantially in the form of a square which is a quarter section, being a legal subdivision of the U.S. Public Lands Survey. Said pool is also governed by the two Division Memorandums dated July 27, 1988 and August 3, 1990, which disallow the simultaneous dedication in gas spacing units of more than one well in unprorated gas pools.

(5) As expressed in the aforementioned correspondence to Meridian dated February 15, 1993, it was the Division's opinion that all references to "proration units" in its Memorandums were to be interpreted as "standard gas proration units of standard size for a particular pool". Meridian was informed by said letter that the practice of operators forming non-standard spacing units in order to avoid the Division's simultaneous dedication policy was no longer an accepted practice. Also, Meridian was notified that in most instances the practice of forming non-standard sized and shaped spacing units to avoid the compulsory pooling of acreage within standard sized and shaped spacing and proration units was also not considered just cause by the Division.

(6) Within this particular two Section area, development of the Rhodes-Yates-Seven Rivers Gas Pool is as follows:

- (a) The 40-acre non-standard gas spacing unit comprising the SW/4 SW/4 (Unit M) of Section 10, approved by Division Administrative Order NSP-1292, is dedicated to Meridian's Rhodes GSU Well No. 9 in Unit M;
- (b) the standard 160-acre unit comprising the NW/4 of Section 10 is dedicated to Meridian's Rhodes GSU Well No. 16 in Unit E;
- (c) the N/2 S/2 of Section 10, being a non-standard 160-acre unit approved by Division Administrative Orders NSP-1292 and NSP-1292-A has been developed by Meridian's Bates Well No. 1 (well P & A'ed February, 1988) in Unit L and Doyle Hartman - Oil Operator attempted to develop the same acreage with its C. T. Bates Well No. 2 (well was P & A'ed in January, 1991 after encountering a severe waterflow during drilling) also in Unit L;
- (d) the standard 160-acre unit comprising the SW/4 of Section 15 is simultaneously dedicated to Meridian's Cagle "B" Well No. 1 in Unit L and Rhodes GSU Well No. 24 in Unit N (simultaneous dedication occurred prior to the Division's July 27, 1988 Memorandum);

- (e) the standard 160-acre unit comprising the SE/4 of Section 15 is simultaneously dedicated (pre-1988 authorization) to Meridian's Rhodes GSU Well Nos. 8 and 25 in Units J and O, respectively; and,
- (f) the 120-acre non-standard gas spacing unit comprising the NW/4 NW/4 and S/2 NW/4 of Section 15, approved by Division Administrative Order NSP-1292, is simultaneously dedicated (pre-1988 authorization) to Meridian's Gregory "B" Well No. 1 in Unit F and Rhodes GSU Well No. 7 in Unit F.

(7) The undeveloped portions comprise the NE/4 and NE/4 NW/4 of said Section 15 and the NE/4, SE/4 SW/4, and S/2 SE/4 of said Section 10. The NE/4 of Section 10 is a standard 160-acre unit and can therefore be developed without exception to the spacing rules. The remaining 320 acres comprising the SE/4 SW/4 and S/2 SE/4 of Section 10 and the NE/4 and NE/4 NW/4 of Section 15, of which the subject 160-acre non-standard spacing unit is a part, would require special attention to accommodate any combination of two 160-acre units within the space available.

(8) In this instance the proposed 160-acre non-standard gas proration unit is within a single Federal lease owned and operated by Meridian. The remaining 160 acres comprising the SE/4 SW/4 and SW/4 SE/4 of Section 10 and the NW/4 NE/4 and NE/4 NW/4 of Section 15 is owned by Doyle Hartman - Oil Operator ("Hartman").

(9) The applicant approached Hartman to voluntarily pool his interest in the NW/4 NE/4 of Section 15 in order to form a standard 160-acre gas spacing and proration unit for the Rhodes-Yates-Seven Rivers Gas Pool comprising the entire NE/4. By correspondence dated January 7, 1993 Hartman notified Meridian that he was not interested in contributing his acreage in the NE/4 of said Section 15. In most normal circumstances the applicant would be required to force pool Hartman's interest in order to obtain the appropriate amount of acreage for the proposed gas well.

(10) Meridian's proposal, although a variance of Division policy and rules, appears to be an acceptable plan to correct a situation previously forced on both Hartman's and Meridian's acreage holdings by the existing non-standard drilling tracts.

(11) The entire non-standard gas proration unit may reasonably be presumed productive of gas from the Rhodes-Yates-Seven Rivers Gas Pool and the entire non-standard gas proration unit can be efficiently and economically drained and developed by the aforesaid well.

(12) No interest owner and/or offset operator appeared at the hearing in opposition to the application.

(13) Approval of the subject application will afford the applicant the opportunity to produce his just and equitable share of gas in the Rhodes-Yates-Seven Rivers Gas Pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

(14) In the future Hartman, or any applicable operator, may petition the Division for administrative approval for the remaining non-standard 160-acre gas spacing and proration unit in the Rhodes-Yates-Seven Rivers Gas Pool comprising the SE/4 SW/4 and SW/4 SE/4 of Section 10 and the NW/4 NE/4 and NE/4 NW/4 of Section 15. The operator should be required to follow the notice provisions as provided in Division General Rules 104.D(2)(a)(iii) and (iv).

**IT IS THEREFORE ORDERED THAT:**

(1) The application of Meridian Oil Inc. for a 160-acre non-standard gas spacing and proration unit in the designated and Undesignated Rhodes-Yates-Seven Rivers Gas Pool comprising the SE/4 SE/4 of Section 10 and the NE/4 NE/4 and the S/2 NE/4 of Section 15, both in Township 26 South, Range 37 East, NMPM, Lea County, New Mexico, is hereby approved.

(2) Said unit is to be dedicated to its Gregory "B" Well No. 2 to be drilled at a standard gas well location in Unit A (NE/4 NE/4) of said Section 15.

**IT IS FURTHER ORDERED THAT:**

(3) Any applicable operator who possesses the right to develop the Rhodes-Yates-Seven Rivers Gas Pool comprising the SE/4 SW/4 and SW/4 SE/4 of said Section 10 and the NW/4 NE/4 and NE/4 NW/4 of said Section 15, may petition the Division for administrative approval for a non-standard 160-acre gas spacing and proration unit comprising said acreage.

(4) Said operator shall comply with the notice provisions as provided in Division General Rules 104.D(2)(a)(iii) and (iv).

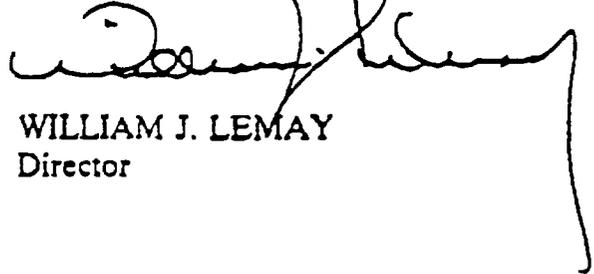
(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Case No. 10683  
Order No. R-9870  
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DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

A handwritten signature in black ink, appearing to read 'William J. Lemay', is written over the printed name and extends downwards with a long vertical stroke.

WILLIAM J. LEMAY  
Director

SEAL

**DOYLE HARTMAN**

*Oil Operator*

3811 TURTLE CREEK BLVD., SUITE 200  
DALLAS, TEXAS 75219

(214) 520-1800  
(214) 520-0811 FAX

**CERTIFIED MAIL, RETURN RECEIPT REQUESTED**

April 17, 1996

Ronald W. Lanning  
Texaco Exploration and Production Inc.  
P.O. Box 3109  
Midland, TX 79702

Larry A. Nermyr  
HC-57  
Box 4106  
Sydney, MT 59270

James A. Davidson  
214 W. Texas, Suite 710  
Midland, TX 79701

Ruth Sutton  
2826 Moss  
Midland, TX 79705

James E. Burr  
P.O. Box 8050  
Midland, TX 79708-8050

Re: Dublin-Rhodes Federal "Com" No. 1  
Lea County, New Mexico  
SW/4 Section 23, T-26-S, R-37-E, N.M.P.M.  
(160-acre Spacing Unit)

Gentlemen:

Please find enclosed an additional copy of our AFE dated March 27, 1996, together with an original and duplicate original of a Communitization Agreement and Operating Agreement dated April 1, 1996, all corresponding to the drilling of our proposed 3325-foot Dublin-Rhodes Federal "Com" No. 1 Rhodes Pool gas well to be situated on the 160-acre standard spacing unit consisting of the SW/4 Section 23, T-26-S, R-37-E, Lea County, New Mexico. It is important that the Dublin-Rhodes Federal "Com" No. 1 gas well be promptly drilled due to presently ongoing drainage from the following two (2) Meridian offsets, one of which was completed January 24, 1996, as a Yates gas producer at an unorthodox gas well location just 330' south of our proposed 160-acre Dublin-Rhodes Federal "Com" Yates gas proration unit:

- 1) Rhodes "A" Federal No. 4  
1650' FSL and 660' FEL (I)  
Section 22, T-26-S, R-37-E
- 2) Rhodes "B" Federal No. 7  
330' FNL and 1470' FWL (C)  
Section 26, T-26-S, R-37-E  
(Scout Ticket enclosed)

As to the NMOCD's previously-stated position pertaining to gas spacing units and well density for the Rhodes Pool, the following are the NMOCD's findings No.'s 4 and 5 from Order R-9870 dated April 14, 1993 (copy enclosed), corresponding to Meridian's Gregory "B" No. 2 gas well located 660' FNL and 660' FEL of Section 15, T-26-S, R-37-E, Lea County, New Mexico:

"(4) The Rhodes-Yates Seven Rivers Gas Pool is an unprorated gas pool governed under the Division's general Rules and Regulations which require 160-acre spacing and proration units, substantially in the form of a square which is a quarter section, being a legal subdivision of the U.S. Public Lands Survey. Said pool is also governed by the two Division Memorandums dated July 27, 1988 and August 3, 1990, which disallow the simultaneous dedication in gas spacing units of more than one well in unprorated gas pools.

(5) As expressed in the aforementioned correspondence to Meridian dated February 15, 1993, it was the Division's opinion that all references to "proration units" in its Memorandums were to be interpreted as "standard gas proration units of standard size for a particular pool". Meridian was informed by said letter that the practice of operators forming non-standard spacing units in order to avoid the Division's simultaneous dedication policy was no longer an accepted practice. Also, Meridian was notified that in most instances the practice of forming non-standard sized and shaped spacing units to avoid the compulsory pooling of acreage within standard sized and shaped spacing and proration units was also not considered just cause by the Division."

Since the proposed Dublin-Rhodes Federal "Com" No. 1 well is to be completed as a gas well from the Yates formation, which is a geological formation younger than Wolfcamp in age, in accordance with NMOCD Rhodes Pool policy, the standard gas spacing unit for the herein-proposed Dublin-Rhodes Federal "Com" No. 1 well must be comprised of the 160-acre governmental quarter-section consisting of the SW/4 Section 23, with the proration unit ownership being as follows:

Texaco Exploration and Production Inc., et al  
April 17, 1996  
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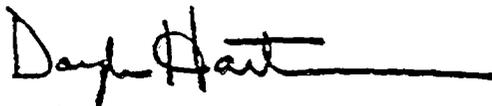
<u>OWNER</u>	<u>TRACT DESCRIPTION</u>	<u>FEDERAL LEASE NO.</u>	<u>P.U. W.I. (ACRES)</u>	<u>P.U. W.I. (%)</u>
Texaco	W/2SW/4 Sec 23	LC-032604(B)	80.0000	50.000000
Doyle Hartman	E/2SW/4 Sec 23	NM-90796	56.8750	35.546875
James A. Davidson	E/2SW/4 Sec 23	NM-90796	20.0000	12.500000
James E. Burr	E/2SW/4 Sec 23	NM-90796	1.2500	0.781250
Larry A. Nermyr	E/2SW/4 Sec 23	NM-90796	1.2500	0.781250
<u>Ruth Sutton</u>	E/2SW/4 Sec 23	NM-90796	<u>0.6250</u>	<u>0.390625</u>
TOTAL P.U.			160.0000	100.000000

Therefore, in recognition of (1) the currently ongoing offset drainage by Meridian's two above-described Rhodes gas wells and (2) the NMOCD's clearly-stated policy pertaining to the size and shape of Rhodes gas spacing units, your prompt approval of our herein-enclosed Dublin-Rhodes Federal "Com" No. 1 Rhodes gas well is respectfully requested. In this regard, we look forward to your immediate return to us of a fully executed copy of our herein-proposed AFE, Communitization Agreement, and Operating Agreement.

If we can be of further assistance, please do not hesitate to promptly contact us.

Yours very truly,

DOYLE HARTMAN, Oil Operator



Doyle Hartman

enclosures (5)

rcp  
wpdocs\corresp.dh\tex-dub2.lin

cc: William J. LeMay  
NMOCD  
2040 S. Pacheco  
Santa Fe, NM 87505

Texaco Exploration and Production Inc., et al

April 17, 1996

Page 4

James Head  
Texaco Exploration and Production Inc.  
P.O. Box 3109  
Midland, TX 79702  
w/o enclosures

William F. Carr  
Campbell, Carr & Berge, P.A.  
P.O. Box 2208  
Santa Fe, NM 87504-2208  
**VIA FEDEX**

Michael Condon  
Gallegos Law Firm  
460 St. Michaels Drive, Building 300  
Santa Fe, NM 87505  
**VIA FEDEX**

Doyle Hartman, Oil Operator  
Carolyn M. Sebastian, Landman  
Jefferson D. Massey, Controller  
Linda Land, Accountant  
Don L. Mashburn, Engineer  
Steve Hartman, Engineer  
Cindy Brooks, Engineering Tech  
Sheila Potts, Geologist  
w/o enclosures

COMMUNITIZATION AGREEMENT

Contract No. \_\_\_\_\_

THIS AGREEMENT entered into as of the date shown in Section 10 hereof, by and between the parties subscribing, ratifying, or consenting hereto, such parties being hereinafter referred to as "parties hereto".

## WITNESSETH:

WHEREAS, the Act of February 25, 1920 (41 Stat. 437), as amended and supplemented authorizes communitization or drilling agreements, communitizing or pooling a Federal oil and gas lease, or any portion thereof, with other lands, whether or not owned by the United States, when separate tracts under such Federal lease cannot be independently developed and operated in conformity with an established well-spacing program for the field or area and such communitization or pooling is determined to be in the public interest; and

WHEREAS, the parties hereto own working, royalty or other leasehold interest, or operating rights under the oil and gas leases and lands subject to this agreement which cannot be independently developed and operated in conformity with the well-spacing program established for the field or area in which said lands are located; and

WHEREAS, the parties hereto desire to communitize and pool their respective mineral interest in lands subject to this agreement for the purpose of developing and producing communitized substances in accordance with the terms and conditions of this agreement:

NOW, THEREFORE, in consideration of the premises and the mutual advantages to the parties hereto, it is mutually covenanted and agreed by and between the parties hereto as follows:

1. The lands covered by this agreement (hereinafter referred to as "communitized area") as shown on Exhibit "A" hereto incorporated herein by reference thereto, are more fully described as follows:

T-26-S, R-37-E, N.M.P.M.  
Lea County, New Mexico  
 Section 23: SW/4  
 surface to 3,500'

containing 160.00 acres, and this agreement shall include only the Rhodes Yates Seven Rivers Pool interval underlying said lands and the oil, gas, and associated hydrocarbons, hereinafter referred to as "communitized substances", producible from such interval.

2. Attached hereto and made a part of this agreement for all purposes is Exhibit "B", designating the operator of the communitized area and showing the acreage, percentage and ownership of oil and gas interests in all lands within the communitized area, and the authorization, if any, for communitizing or pooling any patented or fee lands within the communitized area.
3. All matters of operation shall be governed by the operator under and pursuant to the terms and provisions of this agreement and that certain Joint Operating Agreement dated April 1, 1996, attached hereto as Exhibit "D" and made a part of this agreement for all purposes. A successor operator may be designated by the owners of the working interest in the communitized area and three (3) executed copies of a designation of successor operator shall be filed with the Authorized Officer.
4. Operator shall furnish the Secretary of the Interior, or his authorized representative, with a log and history of any well drilled on the communitized area, monthly reports of operations, statements of oil and gas sales and royalties and such other reports as are deemed necessary to compute monthly the royalty due the United States, as specified in the applicable oil and gas regulations.

5. The communitized area shall be developed and operated as an entirety, with the understanding and agreement between the parties hereto that all communitized substances produced therefrom shall be allocated among the leaseholds comprising said area in the proportion that the acreage interest of each leasehold bears to the entire acreage interest committed to this agreement.
6. The royalties payable on communitized substances allocated to the individual leases comprising the communitized area and the rentals provided for in said leases shall be determined and paid on the basis prescribed in each of the individual leases. Payments of rentals under the terms of leases subject to this agreement shall not be affected by this agreement except as provided for under the terms and provisions of said leases or as may herein be otherwise provided. Except as herein modified and changed, the oil and gas leases subject to this agreement shall remain in full force and effect as originally made and issued. It is agreed that for any Federal lease bearing a sliding- or step-scale rate of royalty, such rate shall be determined separately as to production from each communitized agreement to which such lease may be committed, and separately as to any noncommunitized lease production, provided, however, as to leases where the rate of royalty for gas is based on total lease production per day, such rate shall be determined by the sum of all communitized production allocated to such a lease plus any noncommunitized lease production.
7. Except as provided for herein or under the terms of the attached joint operating agreement, there shall be no obligation on the lessees to offset any well or wells completed in the same interval as covered by this agreement on separate component tracts into which the communitized area is now or may hereafter be divided, nor shall any lessee be required to measure separately communitized substances by reason of the diverse ownership thereof, but the lessees hereto shall not be released from their obligation to protect said communitized area from drainage of communitized substances by a well or wells which may be drilled offsetting said area.
8. The commencement, completion, continued operation or production of a well or wells for communitized substances on the communitized area shall be construed and considered as the commencement, completion, continued operation or production on each and all of the lands within and comprising said communitized area, and operations or production pursuant to this agreement shall be deemed to be operations or production as to each lease committed hereto.
9. Production of communitized substances and disposal thereof shall be in conformity with allocation, allotments, and quotas made or fixed by any duly authorized person or regulatory body under applicable Federal or State statutes. This agreement shall be subject to all applicable Federal and State laws or executive orders, rules and regulations, and no party hereto shall suffer a forfeiture or be liable in damages for failure to comply with any of the provisions of this agreement if such compliance is prevented by, or if such failure results from, compliance with any such laws, orders, rules or regulations.
10. The date of this agreement is April 1, 1996  

(Month)
(Day)
(Year)

 and it shall become effective as of this date or from the onset of production of communitized substances, whichever is earlier upon execution by the necessary parties, notwithstanding the date of execution, and upon approval by the Secretary of the Interior or by his duly authorized representative, and shall remain in force and effect for a period of two (2) years and for as long as communitized substances are, or can be, produced from the communitized area in paying quantities; provided, that prior to production in paying quantities from the communitized area and upon fulfillment of all requirements

of the Secretary of the Interior, or his duly authorized representative, with respect to any dry hole or abandoned well, this agreement may be terminated at any time by mutual agreement of the parties hereto. This agreement shall not terminate upon cessation of production if, within sixty (60) days thereafter, reworking or drilling operations on the communitized area are commenced and are thereafter conducted with reasonable diligence during the period of nonproduction. The two-year term of this agreement will not in itself serve to extend the term of any Federal lease which would otherwise expire during said period.

- 11. The covenants herein shall be construed to be covenants running with the land with respect to the communitized interests of the parties hereto and their successors-in-interests until this agreement terminates and any grant, transfer or conveyance of any such land or interest subject hereto, whether voluntary or not, shall be and hereby is conditioned upon the assumption of all obligations hereunder by the grantee, transferee or other successor-in-interest, and as to Federal land shall be subject to approval by the Secretary of the Interior, or his duly authorized representative.
- 12. It is agreed between the parties hereto that the Secretary of the Interior, or his duly authorized representative, shall have the right of supervision over all operations within the communitized area to the same extent and degree as provided in the oil and gas leases under which the United States of America is lessor and in the applicable oil and gas regulations of the Department of the Interior.
- 13. This agreement shall be binding upon the parties hereto and shall extend to and be binding upon their respective heirs, executors, administrators, successors and assigns.
- 14. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or may be ratified or consented to by separate instrument, in writing, specifically referring hereto, and shall be binding upon all parties who have executed such a counterpart, ratification or consent hereto with the same force and effect as if all parties have signed the same document.
- 15. Nondiscrimination: In connection with the performance of work under this agreement, the operator agrees to comply with all of the provisions of Section 202(1) to (7) inclusive, of Executive Order 11246 (30 F.R. 12319), as amended, which are hereby incorporated by reference in this agreement.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written and have set opposite their respective names the date of execution.

OPERATOR

DOYLE HARTMAN

Executed: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

RECORD TITLE OWNERS

AMOCO PRODUCTION COMPANY

Executed: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

MERIDIAN OIL INC.

Executed: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

ORYX ENERGY COMPANY

Executed: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

NON-OPERATORS

TEXACO EXPLORATION AND PRODUCTION INC.

Executed: \_\_\_\_\_

By: \_\_\_\_\_

Attorney-in-Fact

Executed: \_\_\_\_\_

\_\_\_\_\_

James A. Davidson

Executed: \_\_\_\_\_

\_\_\_\_\_

Larry A. Nermyr

Executed: \_\_\_\_\_

\_\_\_\_\_

James E. Burr

Executed: \_\_\_\_\_

\_\_\_\_\_

Ruth Sutton

STATE OF TEXAS §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1996, by \_\_\_\_\_, as, \_\_\_\_\_ of DOYLE HARTMAN, a sole proprietorship.

\_\_\_\_\_  
Notary Public

Mv Commission Expires:

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1996, by \_\_\_\_\_, as, \_\_\_\_\_ of **AMOCO PRODUCTION COMPANY**, a \_\_\_\_\_ corporation.

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1996, by \_\_\_\_\_, as, \_\_\_\_\_ of **MERIDIAN OIL INC.**, a \_\_\_\_\_ corporation.

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1996, by \_\_\_\_\_, as, \_\_\_\_\_ of **ORYX ENERGY COMPANY**, a \_\_\_\_\_ corporation.

STATE OF \_\_\_\_\_ §

COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_, 1996, by \_\_\_\_\_, as, \_\_\_\_\_ of **TEXACO EXPLORATION AND PRODUCTION INC.**, a \_\_\_\_\_ corporation.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

STATE OF TEXAS §  
COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_,  
1996, by **JAMES A. DAVIDSON**.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

STATE OF \_\_\_\_\_ §  
COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_,  
1996, by **LARRY A. NERMYR**.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

STATE OF TEXAS §  
COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_,  
1996, by **JAMES E. BURR**.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

STATE OF TEXAS §  
COUNTY OF \_\_\_\_\_ §

This instrument was acknowledged before me on this \_\_\_\_\_ day of \_\_\_\_\_,  
1996, by **RUTH SUTTON**.

\_\_\_\_\_  
Notary Public

My Commission Expires: \_\_\_\_\_

**EXHIBIT "A"**

To Communitization Agreement dated April 1, 1996 embracing:

**SW/4, Section 23, Township 26 South, Range 37 East, N.M.P.M.,  
surface to 3,500', Lea County, New Mexico**

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number	Pool Code	Pool Name
Property Code	Property Name DUBLIN-RHODES FED. COM	
OGRID No.	Operator Name DOYLE HARTMAN	Well Number 1
		Elevation 2980

**Surface Location**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	26 S	37 E		1650	SOUTH	660	WEST	LEA

**Bottom Hole Location If Different From Surface**

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p align="center"><b>OPERATOR CERTIFICATION</b></p> <p align="center"><i>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>Signature _____</p> <p>Printed Name _____</p> <p>Title _____</p> <p>Date _____</p>	
	<p align="center"><b>SURVEYOR CERTIFICATION</b></p> <p align="center"><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p> <p align="right">FEB. 29, 1996</p> <p>Date Surveyed: _____ DMCC</p> <p>Signature &amp; Seal of Professional Surveyor: _____</p> <p align="right"><i>Ronald J. Eidson</i> 3-05-96 86-11-0296</p>	
	<p>Certificate No. JOHN. W. WEST 676 RONALD J. EIDSON 3239 GARY EIDSON 12641</p>	
	<p align="center"><b>LEGEND:</b></p> <p>Unit Boundary </p> <p>Tract 1 </p> <p>Tract 2 </p>	

EXHIBIT "B"

To Communitization Agreement dated April 1, 1996 embracing:

SW/4, Section 23, Township 26 South, Range 37 East, N.M.P.M.,  
surface to 3,500', Lea County, New Mexico

Operator of the Communitized Area: DOYLE HARTMAN

DESCRIPTION OF LEASES COMMITTED

Tract No. 1

Lease Serial No.: LC 032604(b)  
 Lease Date: December 1, 1991.  
 Lease Term: Twenty (20) years from date.  
 Lessor: USA.  
 Original Lessee: Texaco Exploration and Production Inc.  
 Present Ownership: Texaco Exploration and Production Inc. 100%  
 of Operating Rights  
 Description of: W/2SW/4, Section 23, T-26-S, R-37-E, N.M.P.M.,  
 Land Committed surface to 3,500', Lea County, New Mexico.  
 Number of Acres: 80.00  
 Royalty Rate: 12.50% (Sliding Scale)  
 Name and Percentage: None.  
 of Overriding Royalty  
 Owners

Tract No. 2

Lease Serial No.: NM 90796.  
 Lease Date: July 29, 1937.  
 Lease Term: Ten (10) years from date.  
 Lessor: USA.  
 Original Lessee: R. Olsen Oil Company.  
 Present Ownership: Doyle Hartman 71.09375%  
 of Operating Rights James A. Davidson 25.00000%  
 Larry A. Nermyr 1.56250%\*  
 James E. Burr 1.56250%  
 Ruth Sutton .781250%  
 100.000000%  
 Description of: E/2SW/4, Section 23, T-26-S, R-37-E, N.M.P.M.,  
 Land Committed surface to 3,500', Lea County, New Mexico.  
 Number of Acres: 80.00  
 Royalty Rate: 12.50% (Sliding Scale)  
 Name and Percentage: A. K. Barnes 1.562500%  
 of Overriding Royalty  
 Owners

\*Interests force pooled by NMOCD Order \_\_\_\_\_, being Exhibit "C" hereof incorporated herein by reference thereto.

EXHIBIT "B" CONTINUED

To Communitization Agreement dated April 1, 1996 embracing:  
SW/4, Section 23, Township 26 South, Range 37 East, N.M.P.M.,  
surface to 3,500', Lea County, New Mexico

RECAPITULATION

<u>Tract No.</u>	<u>Number of Acres Committed</u>	<u>Percentage of Interest in Communitized Area</u>
1	80.00	50.00%
2	<u>80.00</u>	<u>50.00%</u>
	160.00	100.00%

EXHIBIT "C"

To Communitization Agreement dated April 1, 1996 embracing:  
SW/4, Section 23, Township 26 South, Range 37 East, N.M.P.M.,  
surface to 3,500', Lea County, New Mexico

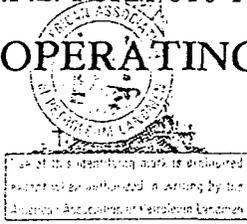
EXHIBIT "C" SHOULD BE  
FORCE POOLING ORDER,  
IF APPLICABLE

EXHIBIT "D"

To Communitization Agreement dated April 1, 1996 embracing:  
SW/4, Section 23, Township 26 South, Range 37 East, N.M.P.M.,  
surface to 3,500' Lea County, New Mexico

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

MODEL FORM OPERATING AGREEMENT



DUBLIN RHODES FED COM

OPERATING AGREEMENT

DATED

April 1 , 19 96 ,

OPERATOR Doyle Hartman

CONTRACT AREA SW/4 Section 23, T-26-S, R-37-E, N.M.P.M.

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

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

OPERATING AGREEMENT

THIS AGREEMENT, entered into by and between Doyle Hartman, hereinafter designated and referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein as "Non-Operator", and collectively as "Non-Operators".

WITNESSETH:

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

NOW, THEREFORE, it is agreed as follows:

ARTICLE I. DEFINITIONS

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

- A. The term "oil and gas" shall mean oil, gas, casinghead gas, gas condensate, and all other liquid or gaseous hydrocarbons and other marketable substances produced therewith, unless an intent to limit the inclusiveness of this term is specifically stated.
B. The terms "oil and gas lease", "lease" and "leasehold" shall mean the oil and gas leases covering tracts of land lying within the Contract Area which are owned by the parties to this agreement.
C. The term "oil and gas interests" shall mean unleased fee and mineral interests in tracts of land lying within the Contract Area which are owned by parties to this agreement.
D. The term "Contract Area" shall mean all of the lands, oil and gas leasehold interests and oil and gas interests intended to be developed and operated for oil and gas purposes under this agreement. Such lands, oil and gas leasehold interests and oil and gas interests are described in Exhibit "A".
E. The term "drilling unit" shall mean the area fixed for the drilling of one well by order or rule of any state or federal body having authority. If a drilling unit is not fixed by any such rule or order, a drilling unit shall be the drilling unit as established by the pattern of drilling in the Contract Area or as fixed by express agreement of the Drilling Parties.
F. The term "drillsite" shall mean the oil and gas lease or interest on which a proposed well is to be located.
G. The terms "Drilling Party" and "Consenting Party" shall mean a party who agrees to join in and pay its share of the cost of any operation conducted under the provisions of this agreement.
H. The terms "Non-Drilling Party" and "Non-Consenting Party" shall mean a party who elects not to participate in a proposed operation.

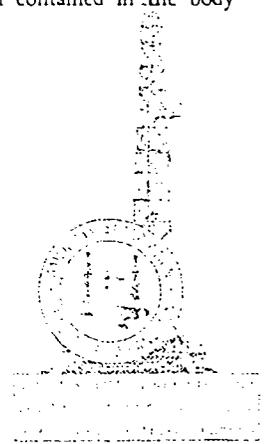
Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural includes the singular, and the neuter gender includes the masculine and the feminine.

ARTICLE II. EXHIBITS

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

- [X] A. Exhibit "A", shall include the following information:
(1) Identification of lands subject to this agreement,
(2) Restrictions, if any, as to depths, formations, or substances,
(3) Percentages or fractional interests of parties to this agreement,
(4) Oil and gas leases and/or oil and gas interests subject to this agreement,
(5) Addresses of parties for notice purposes.
[ ] B. Exhibit "B", Form of Lease.
[X] C. Exhibit "C", Accounting Procedure.
[X] D. Exhibit "D", Insurance.
[ ] E. Exhibit "E", Gas Balancing Agreement.
[X] F. Exhibit "F", Non-Discrimination and Certification of Non-Segregated Facilities.
[ ] G. Exhibit "G", Tax Partnership.

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



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

ARTICLE III.  
INTERESTS OF PARTIES

A. Oil and Gas Interests:

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

"Should information prior to acceptance by all parties of final Title Opinion that the interests set forth in Exhibit "A" are incorrect, the interests and accounting charges will be revised accordingly."

B. Interests of Parties in Costs and Production:

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

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

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

C. Excess Royalties, Overriding Royalties and Other Payments:

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

D. Subsequently Created Interests:

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

1. If the burdened party is required under this agreement to assign or relinquish to any other party, or parties, all or a portion of its working interest and/or the production attributable thereto, said other party, or parties, shall receive said assignment and/or production free and clear of said subsequently created interest and the burdened party shall indemnify and save said other party, or parties, harmless from any and all claims and demands for payment asserted by owners of the subsequently created interest; and,
2. If the burdened party fails to pay, when due, its share of expenses chargeable hereunder, all provisions of Article VII.B. shall be enforceable against the subsequently created interest in the same manner as they are enforceable against the working interest of the burdened party.

ARTICLE IV.  
TITLES

A. Title Examination:

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

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

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

ARTICLE IV  
continued

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

6  
7 Each party shall be responsible for securing curative matter and pooling amendments or agreements required in connection  
8 with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling  
9 designations or declarations 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  
13 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 par-  
14 ticipate in the drilling of the well.

15  
16 **B. Loss of Title:**

17  
18 ~~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~~  
19 ~~reduction of interest from that shown on Exhibit "A", the party contributing the affected lease or interest shall have ninety (90) days~~  
20 ~~from final determination of title failure to acquire a new lease or other instrument curing the entirety of the title failure, which acquisi-~~  
21 ~~tion will not be subject to Article VIII.B., and failing to do so, this agreement, nevertheless, shall continue in force as to all remaining oil~~  
22 ~~and gas leases and interests: and,~~

23 ~~(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~~  
24 ~~entitled to recover from Operator or the other parties any development or operating costs which it may have theretofore paid or incurred,~~  
25 ~~but there shall be no additional liability on its part to the other parties hereto by reason of such title failure;~~

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

30 ~~(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 in-~~  
32 ~~terest (less costs and burdens attributable thereto) until it has been reimbursed for unrecovered costs paid by it in connection with such~~  
33 ~~well;~~

34 ~~(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~~  
35 ~~failed, pay in any manner any part of the cost of operation, development, or equipment, such amount shall be paid to the party or parties~~  
36 ~~who bore the costs which are so refunded;~~

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

39 ~~(f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest~~  
40 ~~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~~  
41 ~~connection therewith.~~

42  
43 ~~2. Loss by Non-Payment or Erroneous Payment of Amount Due: If, through mistake or oversight, any rental, shut-in well~~  
44 ~~payment, minimum royalty or royalty payment, is not paid or is erroneously paid, and as a result a lease or interest therein terminates,~~  
45 ~~there shall be no monetary liability against the party who failed to make such payment. Unless the party who failed to make the required~~  
46 ~~payment secures a new lease covering the same interest within ninety (90) days from the discovery of the failure to make proper payment,~~  
47 ~~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~~  
48 ~~date of termination of the lease involved, and the party who failed to make proper payment will no longer be credited with an interest in~~  
49 ~~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~~  
50 ~~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~~  
51 ~~the lost interest, calculated on an acreage basis, for the development and operating costs theretofore paid on account of such interest, it~~  
52 ~~shall be reimbursed for unrecovered actual costs theretofore paid by it (but not for its share of the cost of any dry hole previously drilled~~  
53 ~~or wells previously abandoned) from so much of the following as is necessary to effect reimbursement:~~

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

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

60 ~~(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~~  
61 ~~lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.~~

62  
63 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  
64 and shall be borne by all parties in proportion to their interests. There shall be no readjustment of interests in the remaining portion of  
65 the Contract Area.



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

ARTICLE V.  
OPERATOR

A. Designation and Responsibilities of Operator:

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

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

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

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

C. Employees:

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

D. Drilling Contracts:

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

Under date of \_\_\_\_\_, a certain Communitization Agreement was made and entered into providing for the communitization, pooling and consolidation of the lands and leases subject to this agreement, therefore on or before sixty (60) days from date of approval of the above ARTICLE VI. described agreement by the Secretary of the Interior.

DRILLING AND DEVELOPMENT

A. Initial Well:

Operator shall commence the drilling of a well for oil and gas at the following location: at a legal location in the SW/4, Section 23, T-26-S, R-37-E.

and shall thereafter continue the drilling of the well with due diligence to an approximate depth of 3300' or a depth sufficient to adequately test the Rhodes Gas Pool interval, whichever is shallower.

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

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

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

## ARTICLE VI

continued

1 If, 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 hole, the provisions of Article VI.E.1. shall thereafter apply.

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6 **B. Subsequent Operations:**

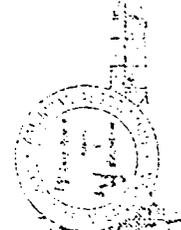
7  
8 1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area other than the well provided  
9 for in Article VI.A., or to rework, deepen or plug back a dry hole drilled at the joint expense of all parties or a well jointly owned by all  
10 the parties and not then 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.

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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 expiration 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  
26 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.

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33  
34 2. Operations by Less than All Parties: If any party receiving such notice as provided in Article VI.B.1. or VII.D.1. (Option  
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 notice period of thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period when a drilling rig is  
38 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. Con-  
42 senting 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.

44  
45  
46  
47 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  
49 to whether the Consenting Parties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48) hours  
50 (exclusive of Saturday, Sunday and legal holidays) after receipt of such notice, shall advise the proposing party of its desire to (a) limit par-  
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  
53 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.

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58 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 same under the terms of the preceding paragraph. Consenting Parties shall keep the leasehold estates involved in such  
60 operations free and clear of all liens and encumbrances of every kind created by or arising from the operations of the Consenting Parties.  
61 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, risk and expense. If any well drilled, reworked, deepened or plugged back under the provisions of this Article results in a pro-  
63 ducer 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,  
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## A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT - 1982

## ARTICLE VI

continued

1 and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Parties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties  
 2 in accordance with the provisions of this Article, each Non-Consenting Party shall be deemed to have relinquished to Consenting Parties,  
 3 and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting  
 4 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  
 5 market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other in-  
 6 terests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest  
 7 until it reverts) shall equal the total of the following:  
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 11  
 12 (a) 100% of each such Non-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, treaters, pumping equipment and piping), plus 100% 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 (b) 300% 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 300% of that portion of the cost of newly acquired equip-  
 23 ment 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.  
 25

26  
 27  
 28 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 deemed 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 percent (100%) of that portion of the costs of  
 33 the reworking or plugging back operation which would have been chargeable to such Non-Consenting 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 ap-  
 35 plicable as between said Consenting Parties in said well.  
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 39 During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share of production, or the  
 40 proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other  
 41 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.  
 43

44  
 45  
 46 In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free  
 47 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 equip-  
 49 ment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.  
 50

51  
 52  
 53 Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the  
 54 Consenting Parties shall furnish 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  
 56 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 furnish 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  
 60 realized from the sale of the well's working interest production during the preceding month. In determining the quantity of oil and gas  
 61 produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic  
 62 well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation  
 63 which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs  
 64 of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as  
 65 above provided; and if there is a credit balance, it shall be paid to such Non-Consenting Party.  
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## A.A.P.L. FORM 610 - MODEL FORM OPERATING AGREEMENT - 1982

## ARTICLE VI

continued

1 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-Consenting 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  
 5 back of said well. Thereafter, such Non-Consenting Party shall be charged with and shall pay its proportionate part of the further costs of  
 6 the operation of said well in accordance with the terms of this agreement and the Accounting Procedure attached hereto.

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 9  
 10 Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the mutual 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.

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 15  
 16 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. (Option No. 2), if selected, or (b) as to the reworking, deepening and plugging back of such initial well  
 18 after it has been drilled to the depth specified in Article VI.A. if it shall thereafter prove to be a dry hole or, if initially completed for pro-  
 19 duction, ceases to produce in paying quantities.

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 22  
 23 3. Stand-By Time: When a well which has been drilled or deepened has reached its authorized depth 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  
 26 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 gram-  
 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  
 29 withdrawn because of insufficient participation, such stand-by costs shall be allocated between the Consenting Parties in the proportion  
 30 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.

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 35 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  
 37 location (herein called "sidetracking"), unless done to straighten the hole or to drill around junk in the hole or because of other  
 38 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 notice shall, upon electing to participate, tender to the well bore owners its proportionate share (equal  
 40 to its interest in the sidetracking operation) of the value of that portion of the existing well bore to be utilized as follows:

41  
 42  
 43  
 44 (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 sidetracking operation is initiated.

46  
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 48  
 49 (b) If the proposal is for sidetracking a well which has previously produced, reimbursement shall be on the basis of the well's  
 50 salvageable 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.

52  
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 54  
 55 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  
 58 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.

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 64  
 65 **C. TAKING PRODUCTION IN KIND:**

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 67 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 unavoidably 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 AGREEMENT - 1982

ARTICLE VI  
continued

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

2  
3 Each party shall execute such division orders and contracts as may be necessary for the sale of its interest in production from  
4 the Contract Area, and, except as provided in Article VII.B., shall be entitled to receive payment directly from the purchaser thereof for  
5 its share of all production.

6  
7 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 and gas produced from the Contract Area. Operator shall have the right, subject to the revocation at will by the party owning it,  
9 but not the obligation, to purchase such oil and gas or sell it to others at any time and from time to time, for the account of the non-  
10 taking party at the best price obtainable in the area for such production. Any such purchase or sale by Operator shall be subject always to  
11 the right of the owner of the production to exercise at any time its right to take in kind, or separately dispose of, its share of all oil and gas  
12 not previously delivered to a purchaser. Any purchase or sale by Operator of any other party's share of oil and gas shall be only for such  
13 reasonable periods of time as are consistent with the minimum needs of the industry under the particular circumstances, but in no event  
14 for a period in excess of one (1) year. Notwithstanding the foregoing, Operator shall not make a sale, including one into interstate com-  
15 merce, of any other party's share of gas production without first giving such other party thirty (30) days notice of such intended sale.

16  
17 **D. Access to Contract Area and Information:**

18  
19 Each party shall have access to the Contract Area at all reasonable times, at its sole cost and risk to inspect or observe operations,  
20 and shall have access at reasonable times to information pertaining to the development or operation thereof, including Operator's books  
21 and records relating thereto. Operator, upon request, shall furnish each of the other parties with copies of all forms or reports filed with  
22 governmental agencies, daily drilling reports, well logs, tank tables, daily gauge and run tickets and reports of stock on hand at the first of  
23 each month, and shall make available samples of any cores or cuttings taken from any well drilled on the Contract Area. The cost of  
24 gathering and furnishing information to Non-Operator, other than that specified above, shall be charged to the Non-Operator that re-  
25 quests the information.

26  
27 **E. Abandonment of Wells:**

28  
29 1. Abandonment of Dry Holes: Except for any well drilled or deepened pursuant to Article VI.B.2., any well which has been  
30 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  
31 without the consent of all parties. Should Operator, after diligent effort, be unable to contact any party, or should any party fail to reply  
32 within forty-eight (48) hours (exclusive of Saturday, Sunday and legal holidays) after receipt of notice of the proposal to plug and abandon  
33 such well, such party shall be deemed to have consented to the proposed abandonment. All such wells shall be plugged and abandoned in  
34 accordance with applicable regulations and at the cost, risk and expense of the parties who participated in the cost of drilling or deepening  
35 such well. Any party who objects to plugging and abandoning such well shall have the right to take over the well and conduct further  
36 operations in search of oil and/or gas subject to the provisions of Article VI.B.

37  
38 2. Abandonment of Wells that have Produced: Except for any well in which a Non-Consent operation has been conducted  
39 hereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a  
40 producer shall not be plugged and abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall  
41 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within  
42 thirty (30) days after receipt of notice of the proposed abandonment of any well, all parties do not agree to the abandonment of such well,  
43 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  
44 parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of  
45 Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. Each abandoning party shall assign  
46 the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and  
47 material, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the in-  
48 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  
49 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 in-  
50 tervals 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-  
51 duced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit

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

## ARTICLE VI

## continued

1 "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 assignees 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  
4 interests in the remaining portion of the Contract Area.

5  
6 Thereafter, abandoning parties 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-abandoning 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 VI.E.

## ARTICLE VII.

## EXPENDITURES AND LIABILITY OF PARTIES

## A. Liability of Parties:

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24  
25 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 VII.B. 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.

## B. Liens and Payment Defaults:

30  
31  
32 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. In the event of  
42 such default by Non-Operator, the reasonable attorney fees incurred by Operator  
43 shall be added to the debt. 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.

## C. Payments and Accounting:

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48  
49 Except as herein otherwise specifically provided, Operator shall promptly pay and discharge expenses incurred in the development  
50 and operation of the Contract Area pursuant to this agreement and shall charge each of the parties hereto with their respective propor-  
51 tionate shares upon the expense basis provided in Exhibit "C". Operator shall keep an accurate record of the joint account hereunder,  
52 showing expenses incurred and charges and credits made and received.

53  
54  
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  
59 on or before the 20th day of the next preceding month. Each party 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.

## D. Limitation of Expenditures:

63  
64  
65  
66 1. Drill or Deepen: 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:

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

## ARTICLE VII

## continued

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

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

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

3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated to require an expenditure in excess of Twenty five Thousand and no/100 Dollars (\$25,000.00) except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other parties. If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting an information copy thereof for any single project costing in excess of Twenty five Thousand and no/100 Dollars (\$25,000.00) but less than the amount first set forth above in this paragraph.

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

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

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

#### F. Taxes:

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

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

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

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

ARTICLE VII  
continued

## 1 G. Insurance:

2  
3 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 laws 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 part  
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.

9  
10 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.

12  
13 ARTICLE VIII.  
14 ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST  
15

## 16 A. Surrender of Leases:

17  
18 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.

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 retained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the  
31 party assignor or lessor 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", less 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  
34 shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.

35  
36 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  
38 assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this  
39 agreement.

40  
41 B. 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 party who acquired it their several proper pro-  
46 portionate shares 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  
49 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 parties 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 therein  
55 by the acquiring party.

56  
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 lease shall be subject to this provision; but any lease 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  
61 the provisions of this agreement.

62  
63 The provisions in this Article shall also be applicable to extensions of oil and gas leases.

64  
65 C. Acreage or Cash Contributions:

66  
67 While this agreement is in force, if any party 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

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ARTICLE VIII

continued

1 said Drilling Parties shared the cost of drilling the well. Such acreage shall become a separate Contract Area and, to the extent possible, be  
 2 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 op-  
 4 tional rights to earn acreage outside the Contract Area which are in support of a well drilled inside the Contract Area.

5  
 6 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.

8  
 9 **D. Maintenance of Uniform Interest:**

10  
 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 leases embraced within the Contract Area and in wells,  
 13 equipment and production unless such disposition covers either:

- 14  
 15 1. the entire interest of the party in all leases and equipment and production; or  
 16  
 17 2. an equal undivided interest in all leases and equipment and production in the Contract Area.

18  
 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 party'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. Waiver 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 severalty its undivided  
 33 interest therein.

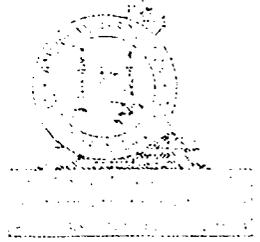
34  
 35 ~~**F. Preferential Right to Purchase:**~~

36  
 37 ~~Should any party desire to sell all or any part of its interests under this agreement, or its rights and interests in the Contract  
 38 Area, it shall promptly give written notice to the other parties, with full information concerning its proposed sale, which shall include the  
 39 name and address of the prospective purchaser (who must be ready, willing and able to purchase), the purchase price, and all other terms  
 40 of the offer. The other parties shall then have an optional prior right, for a period of ten (10) days after receipt of the notice, to purchase  
 41 on the same terms and conditions the interest which the other party proposes to sell; and, if this optional right is exercised, the purchas-  
 42 ing parties shall share the purchased interest in the proportions that the interest of each bears to the total interest of all purchasing par-  
 43 ties. However, there shall be no preferential right to purchase in those cases where any party wishes to mortgage its interests, or to  
 44 dispose of its interests by merger, reorganization, consolidation, or sale of all or substantially all of its assets to a subsidiary or parent com-  
 45 pany or to a subsidiary of a parent company, or to any company in which any one party owns a majority of the stock.~~

46  
 47 **ARTICLE IX.**

48 **INTERNAL REVENUE CODE ELECTION**

49  
 50 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 hereunder 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 ecute 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 Subtitle "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.



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ARTICLE X.  
CLAIMS AND LAWSUITS

Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure does not exceed Ten Thousand and no/100----- Dollars (\$10,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim or suit involving operations hereunder.

ARTICLE XI.  
FORCE MAJEURE

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

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

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

ARTICLE XII.  
NOTICES

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

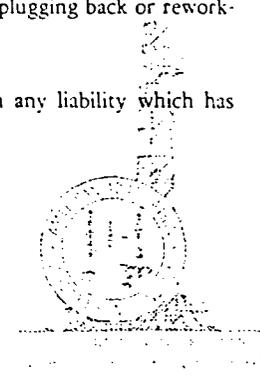
ARTICLE XIII.  
TERM OF AGREEMENT

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

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

Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or wells produce, or are capable of production, and for an additional period of 60 days from cessation of all production; provided, however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepening, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such operations have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or reworking operations are commenced within 60 days from the date of abandonment of said well.

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



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ARTICLE XIV.  
COMPLIANCE WITH LAWS AND REGULATIONS

A. Laws, Regulations and Orders:

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

B. Governing Law:

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

C. Regulatory Agencies:

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

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

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

ARTICLE XV.  
OTHER PROVISIONS

A. Creation of Subsequent Interest

Notwithstanding the provisions of Article VIII.D. hereof, the parties hereto agree that if any party shall hereafter create any Overriding Royalty, Production Payment, or other burden against its working interest production and if any party or parties shall conduct non-consent operations pursuant to any provision of this agreement, and, as a result, become entitled to receive the working interest production otherwise belonging to the non-participating party, the party or parties entitled to receive the working interest production of the non-participating party shall receive such production free and clear of burdens against such production which may have been created subsequent to this agreement. In this regard, any such interest which may have been created subsequent to this agreement shall ipso facto terminate and vest in the consenting parties.

B. Hearings Before Regulatory Agencies

After the specified date hereof, all costs and expenses incurred in connection with the employment of counsel and/or technical experts for the purpose of preparing for and conducting any hearing before any State Regulatory Agency are hereby authorized and shall be charged to the joint account as an item of operating expense. In the case of Forced Pooling action, such costs and expenses shall be borne and paid by the party or parties who have previously agreed to share same or whose interest is increased as a result of such action. Such costs and expenses shall be borne on the basis of relative participation of such parties as set forth on Exhibit "A". The costs and expenses for services performed by Operator or its regularly employed personnel shall not be charged to the joint account but shall be covered by Operator's overhead charge.

C. Operator shall have no liability to the other parties hereto for failure to conduct any operation by reason of the said parties' failure to pay advance estimates of expenditures as provided herein, it being understood that Operator is not obligated to commit itself for any sums of money unless, after proper notice, funds therefor have been advanced by the other parties hereto.

- D. Notwithstanding the provisions of this Agreement and of the Accounting Procedure attached as Exhibit "C", the parties to this Agreement specifically agree that in no event during the term of this contract shall Operator be required to make more than one billing for the entire interest credited to each party on Exhibit "A". It is further agreed that if any party to this Agreement (hereafter referred to as "Selling Party") disposes of part of the interest credited to it on Exhibit "A", the Selling Party will be solely responsible for billing its Assignee or Assignees, and shall remain primarily liable to the other parties for the interest or interests assigned and shall make prompt payment to Operator for the entire amount of statements and billings rendered to it. It is further understood and agreed that if Selling Party disposes of all its interest as set out on Exhibit "A", whether to one or several Assignees, Operator shall continue to issue statements and billings to the Selling Party for the interest conveyed until such time as Selling Party has designated and qualified one Assignee to receive the billing for the entire interest credited to Selling Party on Exhibit "A". Selling Party shall furnish to Operator the following:
1. Written notice of the conveyance and photostatic or certified copies of the Assignment by which the transfer was made.
  2. The name of the Assignee to be billed and a written statement signed by the Assignee to be billed in which it consents to receive statements and billings for the entire interest credited to Selling Party on Exhibit "A" hereof; and, further consents to handle any necessary sub-billings in the event it does not own the entire interest credited to Selling Party on Exhibit "A".
- E. If the lien conferred in Article VII.B. has been enforced, for so long as the affected party remains in default, it shall have no further access to the Contract Area or information obtained in connection with operations hereunder and shall not be entitled to vote on any matter hereunder. As to any proposed operation in which it otherwise would have the right to participate, such party shall have the right to be a Consenting Party therein only if it pays the amount it is in default before the operation is commenced; otherwise, it automatically shall be deemed a Non-Consenting Party to that operation.
- F. This Operating Agreement is specifically made subject to the terms and conditions of that certain Compulsory Pooling and Simultaneous Dedication Order dated \_\_\_\_\_, as issued by the New Mexico Conservation Division, being Division Order \_\_\_\_\_.

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ARTICLE XVI.  
MISCELLANEOUS

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

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

IN WITNESS WHEREOF, this agreement shall be effective as of \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

OPERATOR

DOYLE HARTMAN

\_\_\_\_\_ By: \_\_\_\_\_

Title: \_\_\_\_\_

NON-OPERATORS

TEXACO EXPLORATION AND PRODUCTION INC.

\_\_\_\_\_ By: \_\_\_\_\_

Attorney-in-Fact

\_\_\_\_\_

JAMES A. DAVIDSON

\_\_\_\_\_

LARRY A. NERNYR

\_\_\_\_\_

JAMES E. BURR

\_\_\_\_\_

RUTH SUTTON



## EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

## I. A) Lands Subject to This Agreement:

T-26-S, R-37-E, N.M.P.M.  
Lea County, New Mexico  
 Sec. 23: SW/4,  
 containing 160 acres of land, more or less

## B) Depth Limitation:

From the surface of the ground down to 3500' subsurface.

## II. Existing Oil and Gas Leases:

Lease No. 1:

Serial No.: NM 90796.  
 Date: July 29, 1937.  
 Recorded: Book 33, page 587, Oil and Gas Records,  
 Lea County, New Mexico.  
 Lessor: USA.  
 Lessee: R. Olsen Oil Company.  
 Land Covered: E/2SW/4, Section 23, T-26-S, R-37-E, N.M.P.M.,  
 among other lands.

Lease No. 2:

Serial No.: LC 032604(b)  
 Date: December 1, 1991.  
 Recorded: Unrecorded.  
 Lessor: USA.  
 Lessee: Texaco Exploration and Production Inc.  
 Land Covered: W/2SW/4, Section 23, T-26-S, R-37-E, N.M.P.M.

## III. Parties, Addresses and Percentages of Interests:

Doyle Hartman P.O. Box 10426 Midland, TX 79702	.35546875
Texaco Exploration and Production Inc. P.O. Box 3109 Midland, TX 79702	.50000000

## EXHIBIT "A" CONTINUED

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

James A. Davidson P.O. Box 494 Midland, TX 79702	.12500000
Larry A. Nermyr HC-57 Box 4106 Sydney, MT 59270	.00781250
James E. Burr P.O. Box 8050 Midland, TX 79708-8050	.00781250
Ruth Sutton 2826 Moss Midland, TX 79705	.00390625
	_____
	1.00000000

EXHIBIT "B"

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

THERE IS NO EXHIBIT "B" TO THIS AGREEMENT.

## EXHIBIT " C "

1 Attached to and made a part of that certain Operating Agreement dated April 1, 1996 by and  
 2 between Doyle Hartman, as Operator and Texaco Exploration and Production Inc., et al,  
 3 as Non-Operator.

## ACCOUNTING PROCEDURE JOINT OPERATIONS

### I. GENERAL PROVISIONS

#### 1. Definitions

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

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

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

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

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

"Parties" shall mean Operator and Non-Operators.

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

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

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

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

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

#### 2. Statement and Billings

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

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

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

B. Each Non-Operator shall pay its proportion of all bills within 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 NationsBank,  
Midland, Texas on the first day of the month in which delinquency occurs plus 2% or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of unpaid amounts.

#### 4. Adjustments

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

1 5. Audits  
2

3 A. A Non-Operator, upon notice in writing to Operator and all other Non-Operators, shall have the right to audit  
4 Operator's accounts and records relating to the Joint Account for any calendar year within the twenty-four  
5 (24) month period following the end of such calendar year; provided, however, the making of an audit shall not  
6 extend the time for the taking of written exception to and the adjustments of accounts as provided for in  
7 Paragraph 4 of this Section I. Where there are two or more Non-Operators, the Non-Operators shall make  
8 every reasonable effort to conduct a joint audit in a manner which will result in a minimum of inconvenience  
9 to the Operator. Operator shall bear no portion of the Non-Operators' audit cost incurred under this  
10 paragraph unless agreed to by the Operator. The audits shall not be conducted more than once each year  
11 without prior approval of Operator, except upon the resignation or removal of the Operator, and shall be made  
12 at the expense of those Non-Operators approving such audit.

13  
14 B. The Operator shall reply in writing to an audit report within 180 days after receipt of such report.  
15

16 6. Approval By Non-Operators  
17

18 Where an approval or other agreement of the Parties or Non-Operators is expressly required under other sections of  
19 this Accounting Procedure and if the agreement to which this Accounting Procedure is attached contains no  
20 contrary provisions in regard thereto, Operator shall notify all Non-Operators of the Operator's proposal, and the  
21 agreement or approval of a majority in interest of the Non-Operators shall be controlling on all Non-Operators.  
22

23  
24 II. DIRECT CHARGES  
25

26 Operator shall charge the Joint Account with the following items:  
27

28 1. Ecological and Environmental  
29

30 Costs incurred for the benefit of the Joint Property as a result of governmental or regulatory requirements to satisfy  
31 environmental considerations applicable to the Joint Operations. Such costs may include surveys of an ecological or  
32 archaeological nature and pollution control procedures as required by applicable laws and regulations.  
33

34 2. Rentals and Royalties  
35

36 Lease rentals and royalties paid by Operator for the Joint Operations.  
37

38 3. Labor  
39

40 A. (1) Salaries and wages of Operator's field employees directly employed on the Joint Property in the conduct of  
41 Joint Operations.  
42

43 (2) Salaries of First Level Supervisors in the field.  
44

45 (3) Salaries and wages of Technical Employees directly employed on the Joint Property if such charges are  
46 excluded from the overhead rates.  
47

48 (4) Salaries and wages of Technical Employees either temporarily or permanently assigned to and directly  
49 employed in the operation of the Joint Property if such charges are excluded from the overhead rates.  
50

51 B. Operator's cost of holiday, vacation, sickness and disability benefits and other customary allowances paid to  
52 employees whose salaries and wages are chargeable to the Joint Account under Paragraph 3A of this Section II.  
53 Such costs under this Paragraph 3B may be charged on a "when and as paid basis" or by "percentage assessment"  
54 on the amount of salaries and wages chargeable to the Joint Account under Paragraph 3A of this Section II. If  
55 percentage assessment is used, the rate shall be based on the Operator's cost experience.  
56

57 C. Expenditures or contributions made pursuant to assessments imposed by governmental authority which are  
58 applicable to Operator's costs chargeable to the Joint Account under Paragraphs 3A and 3B of this Section II.  
59

60 D. Personal Expenses of those employees whose salaries and wages are chargeable to the Joint Account under  
61 Paragraph 3A of this Section II.  
62

63 4. Employee Benefits  
64

65 Operator's current costs of established plans for employees' group life insurance, hospitalization, pension, retirement,  
66 stock purchase, thrift, bonus, and other benefit plans of a like nature, applicable to Operator's labor cost chargeable to the  
67 Joint Account under Paragraphs 3A and 3B of this Section II shall be Operator's actual cost not to exceed the percent  
68 most recently recommended by the Council of Petroleum Accountants Societies.  
69  
70

1 5. Material

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

7  
8 6. Transportation

9  
10 Transportation of employees and Material necessary for the Joint Operations but subject to the following limitations:

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

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

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

25  
26 7. Services

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

33  
34 8. Equipment and Facilities Furnished By Operator

35  
36 A. Operator shall charge the Joint Account for use of Operator owned equipment and facilities at rates commensurate  
37 with costs of ownership and operation. Such rates shall include costs of maintenance, repairs, other operating  
38 expense, insurance, taxes, depreciation, and interest on gross investment less accumulated depreciation not to  
39 exceed prime rate plus two percent ( 2 %) per annum. Such rates shall not exceed average commercial  
40 rates currently prevailing in the immediate area of the Joint Property.

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

45  
46 9. Damages and Losses to Joint Property

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

52  
53 10. Legal Expense

54  
55 Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgements and  
56 amounts paid for settlement of claims incurred in or resulting from operations under the agreement or necessary to  
57 protect or recover the Joint Property, except that no charge for services of Operator's legal staff or fees or expense of  
58 outside attorneys shall be made unless previously agreed to by the Parties. All other legal expense is considered to be  
59 covered by the overhead provisions of Section III unless otherwise agreed to by the Parties, except as provided in Section  
60 I, Paragraph 3.

61  
62 11. Taxes

63  
64 All taxes of every kind and nature assessed or levied upon or in connection with the Joint Property, the operation thereof,  
65 or the production therefrom, and which taxes have been paid by the Operator for the benefit of the Parties. If the ad  
66 valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then  
67 notwithstanding anything to the contrary herein, charges to the Joint Account shall be made and paid by the Parties  
68 hereto in accordance with the tax value generated by each party's working interest.

## 1 12. Insurance

2

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

7

## 8 13. Abandonment and Reclamation

9

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

12

## 13 14. Communications

14

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

18

## 19 15. Other Expenditures

20

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

24

25

26

27

## III. OVERHEAD

28

## 29 1. Overhead - Drilling and Producing Operations

30

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

33

( X ) Fixed Rate Basis, Paragraph 1A, or

34

~~( ) Percentage Basis, Paragraph 1B~~

35

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

42

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

45

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

46

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

47

48  
49 iii. The salaries, wages and Personal Expenses of Technical Employees and/or costs of professional consultant services  
50 and contract services of technical personnel either temporarily or permanently assigned to and directly employed in  
51 the operation of the Joint Property:

52

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

53

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

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## A. Overhead - Fixed Rate Basis

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

Drilling Well Rate \$ 3,375.00

(Prorated for less than a full month)

Producing Well Rate \$ 375.00

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

(a) Drilling Well Rate

(1) Charges for drilling wells shall begin on the date the well is spudded and terminate on the date  
the drilling rig, completion rig, or other units used in completion of the well is released, whichever

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

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

9  
10 (b) Producing Well Rates

- 11  
12 (1) An active well either produced or injected into for any portion of the month shall be considered as  
13 a one-well charge for the entire month.  
14  
15 (2) Each active completion in a multi-completed well in which production is not commingled down  
16 hole shall be considered as a one-well charge providing each completion is considered a separate  
17 well by the governing regulatory authority.  
18  
19 (3) An inactive gas well shut in because of overproduction or failure of purchaser to take the  
20 production shall be considered as a one-well charge providing the gas well is directly connected to  
21 a permanent sales outlet.  
22  
23 (4) A one-well charge shall be made for the month in which plugging and abandonment operations  
24 are completed on any well. This one-well charge shall be made whether or not the well has  
25 produced except when drilling well rate applies.  
26  
27 (5) All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease  
28 allowable, transferred allowable, etc.) shall not qualify for an overhead charge.  
29  
30 (3) The well rates shall be adjusted as of the first day of April each year following the effective date of the  
31 agreement to which this Accounting Procedure is attached. The adjustment shall be computed by multiplying  
32 the rate currently in use by the percentage increase or decrease in the average weekly earnings of Crude  
33 Petroleum and Gas Production Workers for the last calendar year compared to the calendar year preceding as  
34 shown by the index of average weekly earnings of Crude Petroleum and Gas Production Workers as published  
35 by the United States Department of Labor, Bureau of Labor Statistics, or the equivalent Canadian index as  
36 published by Statistics Canada, as applicable. The adjusted rates shall be the rates currently in use, plus or  
37 minus the computed adjustment.  
38

39 ~~B. Overhead - Percentage Basis~~

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

42  
43 (a) Development

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

47  
48 (b) Operating

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

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

56  
57 For the purpose of determining charges on a percentage basis under Paragraph 1B of this Section III,  
58 development shall include all costs in connection with drilling, re-drilling, deepening, or any remedial  
59 operations on any or all wells involving the use of drilling rig and crew capable of drilling to the producing  
60 interval on the Joint Property; also, preliminary expenditures necessary in preparation for drilling and  
61 expenditures incurred in abandoning when the well is not completed as a producer, and original cost of  
62 construction or installation of fixed assets, the expansion of fixed assets and any other project clearly  
63 discernible as a fixed asset, except Major Construction as defined in Paragraph 2 of this Section III. All other  
64 ~~costs shall be considered as operating.~~

65  
66 2. Overhead - Major Construction TO BE NEGOTIATED

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



~~Account for overhead based on the following rates for any Major Construction project in excess of \$~~

- A. \_\_\_\_\_ % of first \$100,000 or total cost if less, plus  
 B. \_\_\_\_\_ % of costs in excess of \$100,000 but less than \$1,000,000, plus  
 C. \_\_\_\_\_ % of costs in excess of \$1,000,000.

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

### 3. Catastrophe Overhead TO BE NEGOTIATED

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

- A. \_\_\_\_\_ % of total costs through \$100,000; plus  
 B. \_\_\_\_\_ % of total costs in excess of \$100,000 but less than \$1,000,000; plus  
 C. \_\_\_\_\_ % of total costs in excess of \$1,000,000.

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

### 4. Amendment of Rates

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

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

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

### 1. Purchases

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

### 2. Transfers and Dispositions

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

#### A. New Material (Condition A)

~~(1) Tubular Goods Other than Line Pipe~~

~~(a) Tubular goods, sized 2 1/2 inches OD and larger, except line pipe, shall be priced at Eastern mill published carload base prices effective as of date of movement plus transportation cost using the 80,000 pound carload weight basis to the railway receiving point nearest the Joint Property for which published rail rates for tubular goods exist. If the 80,000 pound rail rate is not offered, the 70,000 pound or 90,000 pound rail rate may be used. Freight charges for tubing will be calculated from Lorain, Ohio and casing from Youngstown, Ohio.~~

(b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus transportation cost from that mill to the railway receiving point nearest the Joint Property as provided

~~above in Paragraph 2.A.(1)(a). For transportation cost from points other than Eastern mills, the 30,000-~~

~~30,000 pound Oil Field Haulers Association interstate truck rate shall be used.~~

- (c) Special end finish tubular goods shall be priced at the lowest published out-of-stock price, f.o.b. Houston, Texas, plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate, to the railway receiving point nearest the Joint Property.
- (d) Macaroni tubing (size less than 2 $\frac{3}{8}$  inch OD) shall be priced at the lowest published out-of-stock prices f.o.b. the supplier plus transportation costs, using the Oil Field Haulers Association interstate truck rate per weight of tubing transferred, to the railway receiving point nearest the Joint Property.

(2) Line Pipe

- (a) Line pipe movements (except size 24 inch OD and larger with walls  $\frac{3}{4}$  inch and over) 30,000 pounds or more shall be priced under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
- (b) Line pipe movements (except size 24 inch OD and larger with walls  $\frac{3}{4}$  inch and over) less than 30,000 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment, plus 20 percent, plus transportation costs based on freight rates as set forth under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
- (c) Line pipe 24 inch OD and over and  $\frac{3}{4}$  inch wall and larger shall be priced f.o.b. the point of manufacture at current new published prices plus transportation cost to the railway receiving point nearest the Joint Property.
- (d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at ~~prices agreed to by the Parties.~~

- (3) Tubular goods, line pipe and Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. It is the intention that all such items be charged at actual cost to Operator.
- (4) Unused new Material, <sup>and</sup> ~~except~~ tubular goods, moved from the Joint Property shall be priced at the current new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. ~~Unused new tubulars will be priced as provided above in Paragraph 2.A.(1) and (2).~~

B. Good Used Material (Condition B)

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

- (1) Material moved to the Joint Property
- At seventy-five percent (75%) of current new price, as determined by Paragraph A.
- (2) Material used on and moved from the Joint Property
- (a) At seventy-five percent (75%) of current new price, as determined by Paragraph A, if Material was originally charged to the Joint Account as new Material or
- (b) At sixty-five percent (65%) of current new price, as determined by Paragraph A, if Material was originally charged to the Joint Account as used Material.

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

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

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

C. Other Used Material

(1) Condition C

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

## (2) Condition D

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

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

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

## (3) Condition E

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

## D. Obsolete Material

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

## E. Pricing Conditions

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

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

## 3. Premium Prices

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

## 4. Warranty of Material Furnished By Operator

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

## V. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

## 1. Periodic Inventories, Notice and Representation

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

## 2. Reconciliation and Adjustment of Inventories

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



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

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3. Special Inventories

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

4. Expense of Conducting Inventories

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

## EXHIBIT "D"

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

Operator, at all times while operations are conducted hereunder, shall carry and require its contractors to carry insurance to indemnify, protect and hold the parties hereto harmless as follows:

1. Insurance which shall comply with the Workmen's Compensation, Employers Liability and Occupational Disease laws of the State in which operations hereunder are conducted;
2. Comprehensive general liability insurance with limits of not less than:
  - a. Bodily Injury:  
\$2,000,000.00 per person and \$1,000,000.00 for each occurrence and,
  - b. Property Damage:  
\$1,000,000.00 for each occurrence and \$2,000,000.00 in the aggregate.
3. Automobile liability insurance with limits of not less than: \$1,000,000.00 combined single limit.
4. Commercial Umbrella Excess Liability: \$15,000,000.00 per incident and annual aggregate.

Upon successful completion of first well, all premiums paid on such insurance shall be charged to the joint account. Except by mutual consent of the parties, no other insurance shall be maintained for the joint account, and all losses not covered by such insurance shall be charged to the joint account.

Operator shall not be liable to Non-Operator(s) for loss suffered on account of the insufficiency of insurance carries, or of the insurer with whom carried, nor shall Operator be liable to Non-Operator(s) for any loss accruing by reason of Operator's inability to provide or maintain the insurance above mentioned; provided, however, that if at any time during the life of this agreement Operator is unable to obtain or maintain such insurance, Operator shall promptly notify Non-Operator(s) of such fact.

EXHIBIT "E"

GAS BALANCING AGREEMENT

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

THERE IS NO EXHIBIT "E" TO THIS AGREEMENT.

## EXHIBIT "F"

## DISCRIMINATION CLAUSE

Attached to and made a part of that certain Operating Agreement dated April 1, 1996, by and between Doyle Hartman, as Operator, and Texaco Exploration and Production Inc., et al, as Non-Operator.

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

Unless exempt by rules, regulations or orders of the United States Secretary of Labor, issued pursuant to Section 204 of the Executive Order 11246 dated September 24, 1965, during the performance of this contract, the Operator agrees as follows:

- "(1) The Operator will not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Operator will take affirmative action to ensure the applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Operator agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting office setting forth the provisions of this nondiscrimination clause.
- (2) The Operator will, in all solicitations or advertisements for employees placed by or on behalf of the Operator, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.
- (3) The Operator will send to each labor union or representative of workers with which he has collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or worker's representative of the Operator's commitments under Section 202 of Executive 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 his books, records and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.
- (6) In the event of the Operator's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations or orders, this contract may be

canceled, terminated or suspended in whole or in part and the Operator may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rules, regulations or orders of the Secretary of Labor, or as otherwise provided by law.

- (7) The Operator will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Operator will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for non-compliance; provided however, that in the event the Operator becomes involved in, or is threatened with, litigations with a subcontractor or vendor as a result of such direction by the contracting agency, the Operator may request the United States to enter into such litigation to protect the interests of the United States."