

EXHIBIT B
 To Unit Agreement
 COWBOY DRAW UNIT
 Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners	
1.	T4S-R21E Sec. 6: Lots 1 thru 5, SE/4NW/4, S/2NE/4 Sec. 7: Lots 1 thru 4 E/2W/2, E/2 Sec. 18: Lots 1 thru 4 E/2W/2, E/2 Sec. 19: Lots 1 thru 4 E/2W/2, E/2	2,188.57	NM-36882 3-1-91	USA 12.5%	John A. Yates	None	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034979</u> 1.00000000

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2.	T5S-R20E	2,127.13	NM-37027	USA	S. P. Yates	None	Marico
	Sec. 7:		3-1-91	12.5%			Exploration, Inc. .02784843
	Lots 3,4, NE/4NW/4, SE/SW, NE/4						Myco Industries, Inc. .02849726
	Sec. 8:						Price, Lester J. .09060527
	N/2, N/2S/2, SE/4SE/4						Price, Cynthia .00674613
	Sec. 9:						Ann Yates .15869603
	All						Yates, Jo Ann .11666389
	Sec. 10:						Yates, Peggy A. .06551314
	All						Yates, Estelle H. .10667454
							Yates, Lillie M. .04032499
							Estate .12172038
							Yates, John A. Jr. .05397310
							Yates, John A. .07730725
							Yates, Judy H. .00930466
							Sole & Separate Property
							Yates, Peyton
							Sole & Separate Property
							Yates, Richard .03701607
							Yates, Martin III .01875907
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							<u>1.00000000</u>

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						Royalty Owners	Owners	
3.	T5S-R20E Sec. 1: Lots 1 thru 4, S/2N/2, S/2 Sec. 11: All Sec. 12: All	1,918.40	NM-37028 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates, Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

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						Royalty Owners	Owners	
4.	T5S-R20E Sec. 3: Lots 1 thru 3, S/2N/2, S/2 Sec. 4: Lots 1 thru 4 S/2N/2, S/2 Sec. 5: Lots 1 thru 4 S/2N/2, S/2 Sec. 6: Lots 1 thru 7 S/2NE/4, SE/4NW/4, E/2SW/4, SE/4	2,550.19	NM-37029 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycro Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates, Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034979</u> 1.00000000

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5.	T4S-R20E Sec. 18: Lots 1 thru 12, E/2 Sec. 19: Lots 1 thru 8, 10, 11, 12, E/2 Sec. 27: E/2, NW/4, N/2SW/4 Sec. 29: NE/4, NW/4NW/4, S/2NW/4	2,237.86	NM-37032 3-1-91	USA 12.5% John A. Yates, Jr.	S.P. Yates 2%	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
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6.	T4S-R20E Sec. 30: Lots 1 thru 12, E/2 Sec. 31: Lots 1 thru 12, E/2 Sec. 33: W/2 W/2SE/4, SE/4SE/4	1,880.64	NM-37033 3-1-91	USA 12.5%		Yates Drilling Company	S. P. Yates 2%		Marico Exploration, Inc. .02784843 Myco Industries, Inc. .02849726 Price, Lester J. .09060527 Price, Cynthia Ann Yates .00674613 Yates, Jo Ann .15869603 Yates, Peggy A. .11666389 Yates, Estelle H. .06551314 Yates, Lillie M. Estate .10667454 Yates, John A. Jr. .04032499 Yates Drilling Company .12172038 Yates, S. P. .05397310 Yates, John A. Yates, Judy H. Sole & Separate Property .00930466 Yates, Peyton Sole & Separate Property .03701607 Yates, Richard Yates, Martin III Estate .04034979 <u>1.00000000</u>

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						Royalty Owners	Owners	
7.	T4S-R20E Sec. 17: All Sec. 20: All Sec. 21: All Sec. 28: All	2,560.00	NM-37036 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

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8.	T4S-R20E Sec. 25: All Sec. 26: All Sec. 34: E/2, NE/4NW/4, SW/4, S/2NW/4 Sec. 35: All	2,520.00	NM-37037 3-1-91		USA 12.5%		None	Marico Exploration, Inc. .02784843 Myco Industries, Inc. .02849726 Price, Lester J. .09060527 Price, Cynthia Ann Yates .00674613 Yates, Jo Ann .15869603 Yates, Peggy A. .11666389 Yates, Estelle H. .06551314 Yates, Lillie M. Estate .10667454 Yates, John A. Jr. .04032499 Yates Drilling Company .12172038 Yates, S. P. .05397310 Yates, John A. Yates, Judy H. Sole & Separate Property .00930466 Yates, Peyton Sole & Separate Property .03701607 Yates, Richard Yates, Martin III Estate .04034979 1.00000000

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9.	T4S-R20E Sec. 14: All Sec. 15: All Sec. 22: All Sec. 23: All	2,560.00	NM-37039 3-1-91	USA 12.5%	Estelle Yates	S. P. Yates 2%	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

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10.	T4S-R20E	2,840.86	NM-37041		USA	S. P. Yates	None		Marico	- .02784843
	Sec. 1:		3-1-91	12.5%					Exploration, Inc.	- .02849726
	Lots 1 thru 4,								Myco Industries, Inc.	- .09060527
	S/2N/2, S/2								Price, Lester J.	- .00674613
	Sec. 12:								Price, Cynthia	- .15869603
	All								Ann Yates	- .11666389
	Sec. 13:								Yates, Jo Ann	- .06551314
	All								Yates, Peggy A.	- .10667454
	Sec. 24:								Yates, Estelle H.	- .04032499
	N/2NE/4, SE/4NE/4,								Estate	- .12172038
	W/2NW/4, SE/4NW/4,								Yates, John A. Jr.	- .05397310
	S/2								Yates Drilling Company	- .07730725
									Yates, S. P.	- .00930466
									Yates, John A.	- .03701607
									Yates, Judy H.	- .01875907
									Sole & Separate Property	- .04034979
									Yates, Peyton	1.00000000
									Sole & Separate Property	
									Yates, Richard	
									Yates, Martin III	
									Estate	

TOTAL 23,383.65 ACRES OF FEDERAL LANDS LEASED

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11.	T4S-R20E Sec. 2: Lots 1,2,3,4 S/2N/2, S/2 Sec. 3: Lots 1,2,3,4 S/2N/2, S/2	1,283.26	LH-65-2 7-1-91	State of New Mexico 12.5% MTS Limited Partnership Basic Resources, Inc.	Los Siete Exploration 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Myco Industries, Inc. Yates Drilling Company Yates Petroleum Corporation	- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - .38906250 1.00000000
12.	T4S-R20E Sec. 10: All Sec. 11: All	1,280.00	LH-70-1 7-1-91	State of New Mexico 12.5% MTS Limited Partnership Basic Resources, Inc.	Joe B. Schutz 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Myco Industries, Inc. Yates Drilling Company Yates Petroleum Corporation	- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - .38906250 1.00000000

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13.	T4S-R20E Sec. 19: Lot 9 Sec. 29: NE/4NW/4	80.00	LH-71 7-1-91	State of New Mexico 12.5%	McKay Oil Corporation	McKay Oil Corporation - 100%
14.	T4S-R20E Sec. 32: All	640.00	LH-72-1 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc. Joe B. Schutz 2%	Abo Petroleum Corporation - .02031250 Basic Resources, Inc. - .500000000 Bechtel Energy Partners, LTD - .050000000 Myco Industries, Inc. - .02031250 Yates Drilling Company - .02031250 Yates Petroleum Corporation - <u>.38906250</u> 1.000000000
15.	T5S-R20E Sec. 2: Lots 1-4, S/2N/2, S/2	637.66	LH-435 9-1-91	State of New Mexico 12.5%	McKay Oil Corporation	McKay Oil Corporation - 100%
TOTAL						3,920.92 ACRES OF STATE OF NEW MEXICO LANDS LEASED

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16.	T4S-R20E Sec. 24: NE/4NW/4, SW/4NE/4	80.00		State of New Mexico	Unleased	
17.	T4S-R20E Sec. 36: All	640.00		State of New Mexico	Unleased	
TOTAL		720.00	ACRES UNLEASED STATE OF NEW MEXICO ACREAGE			
18.	T4S-R20E Sec. 27: S/2SW/4 Sec. 33: NE/4, NE/4SE/4 Sec. 34: NW/4NW/4 T4S-R20E Sec. 29: S/2	320.00	Fee	M. M. Mershan	Unleased	
		320.00	Fee	H. M. Corn	Unleased	

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19.	T4S-R21E Sec. 6: Lots 6,7 E/2W/2, SE/4	311.14	Fee	R. D. Thompson	Unleased	
20.	T5S-R20E Sec. 3: Lot 4 Sec. 7: Lots 1,2 SE/4NW/4, NE/4SW/4, SE/4 Sec. 8 S/2SW/4, SW/4SE/4	486.44	Fee	K. A. Yoder	Unleased	

TOTAL 1,437.58 ACRES UNLEASED FEE ACREAGE

RECAPITULATION

23,383.65	ACRES FEDERAL LANDS	-	79.37%	OF UNIT AREA	
4,640.92	ACRES STATE LANDS	-	15.75%	OF UNIT AREA	
1,437.58	ACRES FEE LANDS	-	4.88%	OF UNIT AREA	
TOTAL	29,462.15	ACRES ALL LANDS	-	100.00%	OF UNIT AREA

A.A.P.L. FORM 610 - 1977

MODEL FORM OPERATING AGREEMENT

COWBOY DRAW UNIT

OPERATING AGREEMENT

DATED

January 24, 1991,

OPERATOR YATES PETROLEUM CORPORATION

CONTRACT AREA See attached Exhibit A - IV

COUNTY ~~OKLAHOMA~~ CHAVES STATE OF NEW MEXICO

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AMERICAN ASSOCIATION OF PETROLEUM LANDMEN
APPROVED FORM. A.A.P.L. NO. 610 - 1977 REVISED
MAY BE ORDERED DIRECTLY FROM THE PUBLISHER
KRAFTBILT PRODUCTS, BOX 800, TULSA 74101

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ARTICLE III.
INTERESTS OF PARTIES

A. Oil and Gas Interests:

If any party owns an unleased oil and gas interest in the Contract Area, that interest shall be treated for the purpose of this agreement and during the term hereof as if it were a leased interest under the form of oil and gas lease attached as Exhibit "B". As to such interest, the owner shall receive royalty on production as prescribed in the form of oil and gas lease attached hereto as Exhibit "B". Such party shall, however, be subject to all of the provisions of this agreement relating to lessees, to the extent that it owns the lessee interest.

B. Interest of Parties in Costs and Production:

Exhibit "A" lists all of the parties and their respective percentage or fractional interests under this agreement. Unless changed by other provisions, all costs and liabilities incurred in operations under this agreement shall be borne and paid, and all equipment and material acquired in operations on the Contract Area shall be owned by the parties as their interests are shown in Exhibit "A". All production of oil and gas from the Contract Area, subject to the payment of lessor's royalties ~~which will be borne by the Joint Account~~, shall also be owned by the parties in the same manner during the term hereof; provided, however, this shall not be deemed an assignment or cross-assignment of interests covered hereby.

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 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.~~

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

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

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

B. Loss of Title:

1. Failure of Title: Should any oil and gas interest or lease, or interest therein, be lost through failure of title, which loss results in a reduction of interest from that shown on Exhibit "A", this agreement, nevertheless, shall continue in force as to all remaining oil and gas leases and interests, and

(a) The party whose oil and gas lease or interest is affected by the title failure shall bear alone the entire loss and it shall not be entitled to recover from Operator or the other parties any development

1 or operating costs which it may have theretofore paid, but there shall be no monetary liability on its
 2 part to the other parties hereto for drilling, development, operating or other similar costs by reason
 3 such title failure; and

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

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

14 (d) Should any person not a party to this agreement, who is determined to be the owner of any in-
 15 terest in the title which has failed, pay in any manner any part of the cost of operation, development,
 16 or equipment, such amount shall be paid to the party or parties who bore the costs which are so refund-
 17 ed; and

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

21 (f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection
 22 with the defense of the interest claimed by any party hereto, it being the intention of the parties
 23 hereto that each shall defend title to its interest and bear all expenses in connection therewith.
 24

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

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

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

48 (c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or
 49 becomes, the owner of the interest lost, for the privilege of participating in the Contract Area or be-
 50 coming a party to this agreement.
 51

52 3. Other Losses: All losses incurred, other than those set forth in Articles IV.B.1. and IV.B.2.
 53 above, shall not be considered failure of title but shall be joint losses and shall be borne by all parties
 54 in proportion to their interests. There shall be no readjustment of interests in the remaining portion of
 55 the Contract Area.
 56

57 ARTICLE V.
 58 OPERATOR

59
 60 A. DESIGNATION AND RESPONSIBILITIES OF OPERATOR:

61 YATES PETROLEUM CORPORATION, 105 South 4th Street, Artesia, NM 88210 shall be the
 62 Operator of the Contract Area, and shall conduct and direct and have full control of all operations on
 63 the Contract Area as permitted and required by, and within the limits of, this agreement. It shall con-
 64 duct all such operations in a good and workmanlike manner, but it shall have no liability as Operator
 65 to the other parties for losses sustained or liabilities incurred, except such as may result from gross
 66 negligence or willful misconduct.
 67
 68
 69
 70

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

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

17
 18 **2 Selection of Successor Operator:** Upon the resignation or removal of Operator, a successor Op-
 19 erator shall be selected by the Parties. The successor Operator shall be selected from the parties owning
 20 an interest in the Contract Area at the time such successor Operator is selected. If the Operator that
 21 is removed fails to vote or votes only to succeed itself, the successor Operator shall be selected by the
 22 affirmative vote of two (2) or more parties owning a majority interest based on ownership as shown
 23 on Exhibit "A", and not on the number of parties remaining after excluding the voting interest of the
 24 Operator that was removed.

25
 26 **C. Employees:**

27
 28 The number of employees used by Operator in conducting operations hereunder, their selection,
 29 and the hours of labor and the compensation for services performed, shall be determined by Operator,
 30 and all such employees shall be the employees of Operator.

31
 32 **D. Drilling Contracts:**

33
 34 All wells drilled on the Contract Area shall be drilled on a competitive contract basis at the usual
 35 rates prevailing in the area. If it so desires, Operator may employ its own tools and equipment in the
 36 drilling of wells, but its charges therefor shall not exceed the prevailing rates in the area and the rate
 37 of such charges shall be agreed upon by the parties in writing before drilling operations are com-
 38 menced, and such work shall be performed by Operator under the same terms and conditions as are
 39 customary and usual in the area in contracts of independent contractors who are doing work of a sim-
 40 ilar nature.

41
 42 **ARTICLE VI.**
 43 **DRILLING AND DEVELOPMENT**

44
 45 **A. Initial Well:**

46
 47 On or before the 28th day of February, 1991, Operator shall commence the drill-
 48 ing of a well for oil and gas at the following location:

49 Township 5 South, Range 20 East, N.M.P.M.
 50 Sec. 4: 1980' FSL and 1980' FEL
 51 Chaves County, New Mexico

52
 53 and shall thereafter continue the drilling of the well with due diligence to adequately test
 54 the Pre-Cambrian formation

55
 56
 57
 58 unless granite or other practically impenetrable substance or condition in the hole, which renders
 59 further drilling impractical, is encountered at a lesser depth, or unless all parties agree to complete or
 60 abandon the well at a lesser depth.

61
 62 Operator shall make reasonable tests of all formations encountered during drilling which give in-
 63 dication of containing oil and gas in quantities sufficient to test, unless this agreement shall be limited
 64 in its application to a specific formation or formations, in which event Operator shall be required to
 65 test only the formation or formations to which this agreement may apply.

66
 67 If, in Operator's judgment, the well will not produce oil or gas in paying quantities, and it wishes
 68 to plug and abandon the well as a dry hole, it shall first secure the consent of all parties and shall
 69 plug and abandon same as provided in Article VI.E.1. hereof.

1 B. Subsequent Operations:

2
3 1. Proposed Operations: Should any party hereto desire to drill any well on the Contract Area
4 other than the well provided for in Article VI.A., or to rework, deepen or plug back a dry hole drilled
5 at the joint expense of all parties or a well jointly owned by all the parties and not then producing
6 in paying quantities, the party desiring to drill, rework, deepen or plug back such a well shall give the
7 other parties written notice of the proposed operation, specifying the work to be performed, the loca-
8 tion, proposed depth, objective formation and the estimated cost of the operation. The parties receiv-
9 ing such a notice shall have thirty (30) days after receipt of the notice within which to notify the
10 parties wishing to do the work whether they elect to participate in the cost of the proposed operation.
11 If a drilling rig is on location, notice of proposal to rework, plug back or drill deeper may be given
12 by telephone and the response period shall be limited to forty-eight (48) hours, exclusive of Saturday,
13 Sunday or legal holidays. Failure of a party receiving such notice to reply within the period above fixed
14 shall constitute an election by that party not to participate in the cost of the proposed operation. Any
15 notice or response given by telephone shall be promptly confirmed in writing.

16
17 2. Operations by Less than All Parties: If any party receiving such notice as provided in Article
18 VI.B.1. or VI.E.1. elects not to participate in the proposed operation, then, in order to be entitled to
19 the benefits of this article, the party or parties giving the notice and such other parties as shall elect
20 to participate in the operation shall, within sixty (60) days after the expiration of the notice period of
21 thirty (30) days (or as promptly as possible after the expiration of the forty-eight (48) hour period
22 where the drilling rig is on location, as the case may be) actually commence work on the proposed
23 operation and complete it with due diligence. Operator shall perform all work for the account of the
24 Consenting Parties; provided, however, if no drilling rig or other equipment is on location, and if Op-
25 erator is a Non-Consenting Party, the Consenting Parties shall either: (a) request Operator to perform
26 the work required by such proposed operation for the account of the Consenting Parties, or (b) desig-
27 nate one (1) of the Consenting Parties as Operator to perform such work. Consenting Parties, when
28 conducting operations on the Contract Area pursuant to this Article VI.B.2., shall comply with all terms
29 and conditions of this agreement.

30
31 If less than all parties approve any proposed operation, the proposing party, immediately after the
32 expiration of the applicable notice period, shall advise the Consenting Parties of (a) the total interest
33 of the parties approving such operation, and (b) its recommendation as to whether the Consenting Par-
34 ties should proceed with the operation as proposed. Each Consenting Party, within forty-eight (48)
35 hours (exclusive of Saturday, Sunday or legal holidays) after receipt of such notice, shall advise the
36 proposing party of its desire to (a) limit participation to such party's interest as shown on Exhibit "A",
37 or (b) carry its proportionate part of Non-Consenting Parties' interest. The proposing party, at its
38 election, may withdraw such proposal if there is insufficient participation, and shall promptly notify
39 all parties of such decision.

40
41 The entire cost and risk of conducting such operations shall be borne by the Consenting Parties in
42 the proportions they have elected to bear same under the terms of the preceding paragraph. Consenting
43 Parties shall keep the leasehold estates involved in such operations free and clear of all liens and
44 encumbrances of every kind created by or arising from the operations of the Consenting Parties. If such
45 an operation results in a dry hole, the Consenting Parties shall plug and abandon the well at their sole
46 cost, risk and expense. If any well drilled, reworked, deepened or plugged back under the provisions
47 of this Article results in a producer of oil and/or gas in paying quantities, the Consenting Parties shall
48 complete and equip the well to produce at their sole cost and risk, and the well shall then be turned
49 over to Operator and shall be operated by it at the expense and for the account of the Consenting Parties.
50 Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such
51 well by Consenting Parties in accordance with the provisions of this Article, each Non-Consenting Party
52 shall be deemed to have relinquished to Consenting Parties, and the Consenting Parties shall own and
53 be entitled to receive, in proportion to their respective interests, all of such Non-Consenting Party's
54 interest in the well and share of production therefrom until the proceeds of the sale of such share,
55 calculated at the well, or market value thereof if such share is not sold (after deducting production
56 taxes, crude oil excise taxes, royalty, overriding royalty and other interests
57 existing on the effective date hereof, payable out of or measured by the produc-
58 tion from such well accruing with respect to such interest until it reverts) shall
59 equal the total of the following:

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

68
69 (b) 300% of that portion of the costs and expenses of drilling, reworking, deepening, or plugging
70 back, testing and completing, after deducting any cash contributions received under Article VIII.C., and

1 300% of that portion of the cost of newly acquired equipment in the well (to and including the well-
 2 head connections), which would have been chargeable to such Non-Consenting Party if it had partici-
 3 pated therein.

4
 5 Gas production attributable to any Non - Consenting Party's relinquished interest upon such Party's
 6 election, shall be sold to its purchaser, if available, under the terms of its existing gas sales con-
 7 tract. Such Non - Consenting Party shall direct its purchaser to remit the proceeds receivable from
 8 such sale direct to the Consenting Parties until the amounts provided for in this Article are recov-
 9 ered from the Non - Consenting Party's relinquished interest. If such Non - Consenting Party has not
 10 contracted for sale of its gas at the time such gas is available for delivery, or has not made the elec-
 11 tion as provided above, the Consenting Parties shall own and be entitled to receive and sell such Non-
 12 Consenting Party's share of gas as hereinabove provided during the recoupment period.

13
 14 During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share
 15 of production, or the proceeds therefrom, Consenting Parties shall be responsible for the payment of
 16 all production, crude oil excise taxes, severance, gathering and other taxes, and all
 17 royalty, overriding royalty and other burdens applicable to Non-Consenting Party's
 18 share of production.

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

25
 26 Within sixty (60) days after the completion of any operation under this Article, the party con-
 27 ducting the operations for the Consenting Parties shall furnish each Non-Consenting Party with an in-
 28 ventory of the equipment in and connected to the well, and an itemized statement of the cost of drilling,
 29 deepening, plugging back, testing, completing, and equipping the well for production; or, at its option,
 30 the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed
 31 statement of monthly billings. Each month thereafter, during the time the Consenting Parties are being
 32 reimbursed as provided above, the Party conducting the operations for the Consenting Parties shall furn-
 33 ish the Non-Consenting Parties with an itemized statement of all costs and liabilities incurred in the
 34 operation of the well, together with a statement of the quantity of oil and gas produced from it and the
 35 amount of proceeds realized from the sale of the well's working interest production during the preceding
 36 month. In determining the quantity of oil and gas produced during any month, Consenting Parties
 37 shall use industry accepted methods such as, but not limited to, metering or periodic well tests. Any
 38 amount realized from the sale or other disposition of equipment newly acquired in connection with any
 39 such operation which would have been owned by a Non-Consenting Party had it participated therein
 40 shall be credited against the total unreturned costs of the work done and of the equipment purchased,
 41 in determining when the interest of such Non-Consenting Party shall revert to it as above provided;
 42 and if there is a credit balance, it shall be paid to such Non-Consenting party.

43
 44 If and when the Consenting Parties recover from a Non-Consenting Party's relinquished interest
 45 the amounts provided for above, the relinquished interests of such Non-Consenting Party shall auto-
 46 matically revert to it, and, from and after such reversion, such Non-Consenting Party shall own the same
 47 interest in such well, the material and equipment in or pertaining thereto, and the production there-
 48 from as such Non-Consenting Party would have been entitled to had it participated in the drilling,
 49 reworking, deepening or plugging back of said well. Thereafter, such Non-Consenting Party shall be
 50 charged with and shall pay its proportionate part of the further costs of the operation of said well in
 51 accordance with the terms of this agreement and the Accounting Procedure, attached hereto.

52
 53 Notwithstanding the provisions of this Article VI.B.2., it is agreed that without the mutual consent
 54 of all parties, no wells shall be completed in or produced from a source of supply from which a well
 55 located elsewhere on the Contract Area is producing, unless such well conforms to the then-existing
 56 well spacing pattern for such source of supply.

57
 58 The provisions of this Article shall have no application whatsoever to the drilling of the initial
 59 well described in Article VI.A. except (a) when Option 2, Article VII.D.1., has been selected, or (b)
 60 to the reworking, deepening and plugging back of such initial well, if such well is or thereafter shall
 61 prove to be a dry hole or non-commercial well, after having been drilled to the depth specified in Article
 62 VI.A.

63
 64 **C. Right to Take Production in Kind:**

65 Each party electing to take in kind or separately dispose of its proportionate share of the production from the Contract Area
 66 shall keep accurate records of the volume, selling price, royalty and taxes relative to its share of production. Non-Operators
 67 shall, upon request, furnish Operator with true and complete copies of the records required to be kept hereunder whenever, under
 68 the terms of this agreement or any agreement executed in connection herewith, it is necessary for Operator to obtain said informa-
 69 tion. Any information furnished to Operator hereunder shall be used by Operator only to the extent necessary to carry out its
 70 duties as Operator and shall otherwise be kept confidential.

Each party shall have the right to take in kind or separately dispose of its proportionate share of all oil and gas produced
 from the Contract Area, exclusive of production which may be used in development and producing operations and in preparing and

1 treating oil for marketing purposes and production unavoidably lost. Any extra expenditure incurred in the taking in kind or separate
 2 disposition by any party of its proportionate share of the production shall be borne by such party. Any party taking its share of
 production in kind shall be required to pay for only its proportionate share of such part of Operator's surface facilities which it
 uses.

4 Each party shall execute such division orders and contracts as may be necessary for the sale of its
 5 interest in production from the Contract Area, and, except as provided in Article VII.B., shall be entitled
 6 to receive payment direct from the purchaser thereof for its share of all production.
 7

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

21 In the event any party hereto is not at any time taking or marketing its share of gas
 22 production and Operator is either (i) unwilling to purchase or sell or (ii) unable to
 23 obtain the prior written consent to purchase or sell such party's share of gas production,
 24 or in the event any party has contracted to sell its share of gas produced from the Contract
 25 Area to a purchaser which does not at any time while this agreement is in effect take the
 26 full share of gas attributable to the interest of such party, then in any such event the
 27 terms and conditions of the Gas Balancing Agreement attached hereto as Exhibit "E" and
 28 incorporated herein shall automatically become effective.

29 **D. Access to Contract Area and Information:**

30 Each party shall have access to the Contract Area at all reasonable times, at its sole risk to inspect
 31 or observe operations, and shall have access at reasonable times to information pertaining to the de-
 32 velopment or operation thereof, including Operator's books and records relating thereto. Operator, upon
 33 request, shall furnish each of the other parties with copies of all forms or reports filed with govern-
 34 mental agencies, daily drilling reports, well logs, tank tables, daily gauge and run tickets and reports
 35 of stock on hand at the first of each month, and shall make available samples of any cores or cuttings
 36 taken from any well drilled on the Contract Area. The cost of gathering and furnishing information to
 37 Non-Operator, other than that specified above, shall be charged to the Non-Operator that requests the
 38 information.
 39

40 **E. Abandonment of Wells:**

41 1. Abandonment of Dry Holes: Except for any well drilled pursuant to Article VI.B.2., any well
 42 which has been drilled under the terms of this agreement and is proposed to be completed as a dry hole
 43 shall not be plugged and abandoned without the consent of all parties. Should Operator, after diligent
 44 effort, be unable to contact any party, or should any party fail to reply within forty-eight (48) hours
 45 (exclusive of Saturday, Sunday or legal holidays) after receipt of notice of the proposal to plug and
 46 abandon such well, such party shall be deemed to have consented to the proposed abandonment. All
 47 such wells shall be plugged and abandoned in accordance with applicable regulations and at the cost,
 48 risk and expense of the parties who participated in the cost of drilling of such well. Any party who ob-
 49 jects to the plugging and abandoning such well shall have the right to take over the well and conduct
 50 further operations in search of oil and/or gas subject to the provisions of Article VI.B.
 51

52 2. Abandonment of Wells that have Produced: Except for any well which has been drilled or re-
 53 worked pursuant to Article VI.B.2. hereof for which the Consenting Parties have not been fully reim-
 54 bursed as therein provided, any well which has been completed as a producer shall not be plugged and
 55 abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall
 56 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense
 57 of all the parties hereto. If, within thirty (30) days after receipt of notice of the proposed abandonment
 58 of such well, all parties do not agree to the abandonment of any well, those wishing to continue its op-
 59 eration shall tender to each of the other parties its proportionate share of the value of the well's salvable
 60 material and equipment, determined in accordance with the provisions of Exhibit "C", less the estimated
 61 cost of salvaging and the estimated cost of plugging and abandoning. Each abandoning party shall
 62 assign to the non-abandoning parties, without warranty, express or implied, as to title or as to quantity,
 63 quality, or fitness for use of the equipment and material, all of its interest in the well and related equip-
 64 ment, together with its interest in the leasehold estate as to, but only as to, the interval or intervals of the
 65 formation or formations then open to production. If the interest of the abandoning party is or includes
 66 an oil and gas interest, such party shall execute and deliver to the non-abandoning party or parties an
 67 oil and gas lease, limited to the interval or intervals of the formation or formations then open to produc-
 68 tion for a term of one year and so long thereafter as oil and or gas is produced from the interval or inter-
 69
 70

1 vals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit
 2 "B". The assignments or leases so limited shall encompass the "drilling unit" upon which the well is
 3 located. The payments by, and the assignments or leases to, the assignees shall be in a ratio based upon
 4 the relationship of their respective percentages of participation in the Contract Area to the aggregate of
 5 the percentages of participation in the Contract Area of all assignees. There shall be no readjustment
 6 of interest in the remaining portion of the Contract Area.

7
 8 Thereafter, abandoning parties shall have no further responsibility, liability, or interest in the op-
 9 eration of or production from the well in the interval or intervals then open other than the royalties
 10 retained in any lease made under the terms of this Article. Upon request, Operator shall continue to
 11 operate the assigned well for the account of the non-abandoning parties at the rates and charges con-
 12 templated by this agreement, plus any additional cost and charges which may arise as the result of
 13 the separate ownership of the assigned well.

14
 15 **ARTICLE VII.**
 16 **EXPENDITURES AND LIABILITY OF PARTIES**

17
 18 **A. Liability of Parties:**

19
 20 The liability of the parties shall be several, not joint or collective. Each party shall be responsible
 21 only for its obligations, and shall be liable only for its proportionate share of the costs of developing
 22 and operating the Contract Area. Accordingly, the liens granted among the parties in Article VII.B. are
 23 given to secure only the debts of each severally. It is not the intention of the parties to create, nor shall
 24 this agreement be construed as creating, a mining or other partnership or association, or to render the
 25 parties liable as partners. It is not the intention of the parties that this contract is
 26 made or intended for the benefit of any third person.

27 **B. Liens and Payment Defaults:**

28
 29 Each Non-Operator grants to Operator a lien upon its oil and gas rights in the Contract Area, and a
 30 security interest in its share of oil and/or gas when extracted and its interest in all equipment, to secure
 31 payment of its share of expense, together with interest thereon at the rate provided in the Accounting
 32 Procedure attached hereto as Exhibit "C". To the extent that Operator has a security interest under the
 33 Uniform Commercial Code of the State, Operator shall be entitled to exercise the rights and remedies
 34 of a secured party under the Code. The bringing of a suit and the obtaining of judgment by Operator
 35 for the secured indebtedness shall not be deemed an election of remedies or otherwise affect the lien
 36 rights or security interest as security for the payment thereof. In addition, upon default by any Non-
 37 Operator in the payment of its share of expense, Operator shall have the right, without prejudice to
 38 other rights or remedies, to collect from the purchaser the proceeds from the sale of such Non-Operator's
 39 ~~including reasonable attorney fees in the event of suit, to collect any delinquency;~~
 40 share of oil and/or gas until the amount owed by such Non-Operator, plus interest has been paid. Each
 41 purchaser shall be entitled to rely upon Operator's written statement concerning the amount of any de-
 42 fault. Operator grants a like lien and security interest to the Non-Operators to secure payment of Op-
 43 erator's proportionate share of expense.

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

49
 50 **C. Payments and Accounting:**

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

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

1 D. Limitation of Expenditures:

2

3 1. Drill or Deepen: Without the consent of all parties, no well shall be drilled or deepened, ex-
4 cept any well drilled or deepened pursuant to the provisions of Article VI.B.2. of this Agreement, it being
5 understood that the consent to the drilling or deepening shall include:

6

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

9

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

22

23 2. Rework or Plug Back: Without the consent of all parties, no well shall be reworked or plugged
24 back except a well reworked or plugged back pursuant to the provisions of Article VI.B.2. of this agree-
25 ment, it being understood that the consent to the reworking or plugging back of a well shall include
26 consent to all necessary expenditures in conducting such operations and completing and equipping of
27 said well, including necessary tankage and/or surface facilities.

28

29 3. Other Operations: Operator shall not undertake any single project reasonably estimated to require
30 an expenditure in excess of TWENTY FIVE THOUSAND Dollars (\$ 25,000.00)
31 except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plug-
32 ging back of which has been previously authorized by or pursuant to this agreement; provided, how-
33 ever, that, in case of explosion, fire, flood or other sudden emergency, whether of the same or different
34 nature, Operator may take such steps and incur such expenses as in its opinion are required to deal with
35 the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emer-
36 gency to the other parties. If Operator prepares "Authority for Expenditures" for its own use,
37 Operator, upon request, shall furnish copies of its "Authority for Expenditures" for any single project
38 costing in excess of FIFTEEN THOUSAND Dollars (\$ 15,000.00).

39

40 E. Royalties, Overriding Royalties and Other Payments:

41

42 Each party shall pay or deliver, or cause to be paid or delivered, all royalties to the extent of
43 1/8 of 8/8ths due on its share of production and shall hold the other parties free
44 from any liability therefor. If the interest of any party in any oil and gas lease covered by this agree-
45 ment is subject to any royalty, overriding royalty, production payment, or other charge over and above
46 the aforesaid royalty, such party shall assume and alone bear all such obligations and shall account
47 for or cause to be accounted for, such interest to the owners thereof.

48

49 No party shall ever be responsible, on any 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 settlements on a higher price basis,
the party contributing such lease shall bear the royalty burden insofar as such higher price is concerned.

50

51 It is recognized by the parties hereto that in addition to each party's share of working interest production as shown in Exhibit
"A", such party shall have the right, subject to existing contracts, to market the royalty gas attributable to each lease which it
contributes to the Contract Area and to receive payments due for such royalty gas produced from or allocated to such lease or leases.
52 It is agreed that, regardless of whether each party markets or contracts for its share of gas, including the royalty gas under the
53 leases which it contributed to the Contract Area, such party agrees to pay or cause to be paid to the royalty owners under its lease
or leases the proceeds attributable to their respective royalty interest and to hold all other parties hereto harmless for its failure
to do so.

54

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

55

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

65

66 Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shut-
67 ting in or return to production of a producing gas well, at least five (5) days (excluding Saturday, Sun-
68 day and holidays), or at the earliest opportunity permitted by circumstances, prior to taking such action,
69 but assumes no liability for failure to do so. In the event of failure by Operator to so notify Non-
70 Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments

1 of any shut-in well payment shall be borne jointly by the parties hereto under the provisions of Article
 2 IV.B.3.

3
 4 **G. Taxes:**

5
 6 Beginning with the first calendar year after the effective date hereof, Operator shall render for ad
 7 valorem taxation all property subject to this agreement which by law should be rendered for such
 8 taxes, and it shall pay all such taxes assessed thereon before they become delinquent. Prior to the ren-
 9 dition date, each Non-Operator shall furnish Operator information as to burdens (to include, but not be
 10 limited to, royalties, overriding royalties and production payments) on leases and oil and gas interests con-
 11 tributed by such Non-Operator. If the assessed valuation of any leasehold estate is reduced by reason of its
 12 being subject to outstanding excess royalties, overriding royalties or production payments, the reduction in
 13 ad valorem taxes resulting therefrom shall inure to the benefit of the owner or owners of such leasehold
 14 estate, and Operator shall adjust the charge to such owner or owners so as to reflect the benefit of such
 15 reduction. Operator shall bill other parties for their proportionate share of all tax payments in the man-
 16 ner provided in Exhibit "C".

17
 18 If Operator considers any tax assessment improper, Operator may, at its discretion, protest within
 19 the time and manner prescribed by law, and prosecute the protest to a final determination, unless all
 20 parties agree to abandon the protest prior to final determination. During the pendency of administrative
 21 or judicial proceedings, Operator may elect to pay, under protest, all such taxes and any interest and
 22 penalty. When any such protested assessment shall have been finally determined, Operator shall pay
 23 the tax for the joint account, together with any interest and penalty accrued, and the total cost shall then
 24 be assessed against the parties, and be paid by them, as provided in Exhibit "C".

25
 26 Each party shall pay or cause to be paid all production, severance, gathering and other taxes im-
 27 posed upon or with respect to the production or handling of such party's share of oil and/or gas pro-
 28 duced under the terms of this agreement.

29
 30 **H. Insurance:**

31
 32 At all times while operations are conducted hereunder, Operator shall comply with the Workmen's
 33 Compensation Law of the State where the operations are being conducted; provided, however, that Op-
 34 erator may be a self-insurer for liability under said compensation laws in which event the only charge
 35 that shall be made to the joint account shall be an amount equivalent to the premium which would have
 36 been paid had such insurance been obtained. Operator shall also carry or provide insurance for the
 37 benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a part hereof.
 38 Operator shall require all contractors engaged in work on or for the Contract Area to comply with the
 39 Workmen's Compensation Law of the State where the operations are being conducted and to maintain
 40 such other insurance as Operator may require.

41
 42 In the event Automobile Public Liability Insurance is specified in said Exhibit "D", or subsequently
 43 receives the approval of the parties, no direct charge shall be made by Operator for premiums paid for
 44 such insurance for Operator's fully owned automotive equipment.

45
 46 **ARTICLE VIII.**
 47 **ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST**

48
 49 **A. Surrender of Leases:**

50
 51 The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall
 52 not be surrendered in whole or in part unless all parties consent thereto.

53
 54 However, should any party desire to surrender its interest in any lease or in any portion thereof, and
 55 other parties do not agree or consent thereto, the party desiring to surrender shall assign, without express
 56 or implied warranty of title, all of its interest in such lease, or portion thereof, and any well, material and
 57 equipment which may be located thereon and any rights in production thereafter secured, to the parties
 58 not desiring to surrender it. If the interest of the assigning party includes an oil and gas interest, the as-
 59 signing party shall execute and deliver to the party or parties not desiring to surrender an oil and gas
 60 lease covering such oil and gas interest for a term of one year and so long thereafter as oil and/or gas
 61 is produced from the land covered thereby, such lease to be on the form attached hereto as Exhibit "B".
 62 Upon such assignment, the assigning party shall be relieved from all obligations thereafter accruing,
 63 but not theretofore accrued, with respect to the acreage assigned and the operation of any well thereon,
 64 and the assigning party shall have no further interest in the lease assigned and its equipment and pro-
 65 duction other than the royalties retained in any lease made under the terms of this Article. The parties
 66 assignee shall pay to the party assignor the reasonable salvage value of the latter's interest in any wells
 67 and equipment on the assigned acreage. The value of all material shall be determined in accordance
 68 with the provisions of Exhibit "C", less the estimated cost of salvaging and the estimated cost of plug-
 69 ging and abandoning. If the assignment is in favor of more than one party, the assigned interest shall
 70

1 be shared by the parties assignee in the proportions that the interest of each bears to the interest of all
2 parties assignee.
3

4 Any assignment or surrender made under this provision shall not reduce or change the assignor's or
5 surrendering parties' interest, as it was immediately before the assignment, in the balance of the Contract
6 Area; and the acreage assigned or surrendered, and subsequent operations thereon, shall not thereafter
7 be subject to the terms and provisions of this agreement.
8

9 **B. Renewal or Extension of Leases:**
10

11 If any party secures a renewal of any oil and gas lease subject to this Agreement, all other parties
12 shall be notified promptly, and shall have the right for a period of thirty (30) days following receipt
13 of such notice in which to elect to participate in the ownership of the renewal lease, insofar as such
14 lease affects lands within the Contract Area, by paying to the party who acquired it their several proper
15 proportionate shares of the acquisition cost allocated to that part of such lease within the Contract Area,
16 which shall be in proportion to the interests held at that time by the parties in the Contract Area.
17

18 If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it
19 shall be owned by the parties who elect to participate therein, in a ratio based upon the relationship of
20 their respective percentage of participation in the Contract Area to the aggregate of the percentages
21 of participation in the Contract Area of all parties participating in the purchase of such renewal lease.
22 Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.
23

24 Each party who participates in the purchase of a renewal lease shall be given an assignment/without warranty of its
25 proportionate interest therein by the acquiring party.
26

27 The provisions of this Article shall apply to renewal leases whether they are for the entire interest
28 covered by the expiring lease or cover only a portion of its area or an interest therein. Any renewal lease
29 taken before the expiration of its predecessor lease, or taken or contracted for within six (6) months after
30 the expiration of the existing lease shall be subject to this provision; but any lease taken or contracted
31 for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal
32 lease and shall not be subject to the provisions of this agreement.
33

34 The provisions in this Article shall apply also and in like manner to extensions of oil and gas
35 leases. The provisions of this Article VIII-B shall only apply to leases, or portions
36 of leases, located within the Unit Area.
37

38 **C. Acreage or Cash Contributions:**
39

40 While this agreement is in force, if any party contracts for a contribution of cash toward the drilling
41 of a well or any other operation on the Contract Area, such contribution shall be paid to the party who
42 conducted the drilling or other operation and shall be applied by it against the cost of such drilling or
43 other operation. If the contribution be in the form of acreage, the party to whom the contribution is
44 made shall promptly tender an assignment of the acreage, without warranty of title, to the Drilling
45 Parties in the proportions said Drilling Parties shared the cost of drilling the well. If all parties hereto
46 are Drilling Parties and accept such tender, such acreage shall become a part of the Contract Area and
47 be governed by the provisions of this agreement. If less than all parties hereto are Drilling Parties and
48 accept such tender, such acreage shall not become a part of the Contract Area. Each party shall promptly
49 notify all other parties of all acreage or money contributions it may obtain in support of any well or
50 any other operation on the Contract Area.
51

52 If any party contracts for any consideration relating to disposition of such party's share of substances
53 produced hereunder, such consideration shall not be deemed a contribution as contemplated in this
54 Article VIII.C. This paragraph shall not be applicable to the contribution of acreage
55 by the Contributing Parties toward the Initial, Substitute, or Option Test Well.
56

57 **D. Subsequently Created Interest:**
58

59 Notwithstanding the provisions of Article VIII.E. and VIII.G., if any party hereto shall, subsequent
60 to execution of this agreement, create an overriding royalty, production payment, or net proceeds interest
61 which such interests are hereinafter referred to as "subsequently created interest", such subsequently
62 created interest shall be specifically made subject to all of the terms and provisions of this agreement, as
63 follows:
64

65 1. If non-consent operations are conducted pursuant to any provision of this agreement, and the
66 party conducting such operations becomes entitled to receive the production attributable to the interest
67 out of which the subsequently created interest is derived, such party shall receive same free and clear
68 of such subsequently created interest. The party creating same shall bear and pay all such subsequently
69 created interests and shall indemnify and hold the other parties hereto free and harmless from any and
70 all liability resulting therefrom.

2. If the owner of the interest from which the subsequently created interest is derived (1) fails to pay, when due, its share of expenses chargeable hereunder, or (2) elects to abandon a well under provisions of Article VI.E. hereof, or (3) elects to surrender a lease under provisions of Article VII.A. hereof, the subsequently created interest shall be chargeable with the pro rata portion of all expenses hereunder in the same manner as if such interest were a working interest. For purposes of collecting such chargeable expenses, the party or parties who receive assignments as a result of (2) or (3) above shall have the right to enforce all provisions of Article VII.B. hereof against such subsequently created interest.

E. Maintenance of Uniform Interest:

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

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

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

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

F. Waiver of Right to Partition:

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

~~**G. Preferential Right to Purchase:**~~

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

**ARTICLE IX.
INTERNAL REVENUE CODE ELECTION**

This agreement is not intended to create, and shall not be construed to create, a relationship of partnership or an association for profit between or among the parties hereto. Notwithstanding any provisions herein that the rights and liabilities hereunder are several and not joint or collective, or that this agreement and operations hereunder shall not constitute a partnership, if, for Federal income tax purposes, this agreement and the operations hereunder are regarded as a partnership, each party hereby affected elects to be excluded from the application of all of the provisions of Subchapter "K", Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, as permitted and authorized by Section 751 of the Code and the regulations promulgated thereunder. Operator is authorized and directed to execute on behalf of each party hereby affected such evidence of this election as may be required by the Secretary of the Treasury of the United States or the Federal Internal Revenue Service, including specifically, but not by way of limitation, all of the returns, statements, and the data required by Federal Regulations 1.761. Should there be any requirement that each party hereby affected give further evidence of this election, each such party shall execute such documents and furnish such other evidence as may be required by the Federal Internal Revenue Service or as may be necessary to evidence this election. No

1 such party shall give any notices or take any other action inconsistent with the election made hereby.
 2 If any present or future income tax laws of the state or states in which the Contract Area is located or
 3 any future income tax laws of the United States contain provisions similar to those in Subchapter "K",
 4 Chapter 1, Subtitle "A", of the Internal Revenue Code of 1954, under which an election similar to that
 5 provided by Section 761 of the Code is permitted, each party hereby affected shall make such election as
 6 may be permitted or required by such laws. In making the foregoing election, each such party states that
 7 the income derived by such party from Operations hereunder can be adequately determined without the
 8 computation of partnership taxable income.

9
 10 **ARTICLE X.**
 11 **CLAIMS AND LAWSUITS**

12
 13 Operator may settle any single damage claim or suit arising from operations hereunder if the ex-
 14 penditure does not exceed FIFTEEN THOUSAND Dollars
 15 (\$ 15,000.00) and if the payment is in complete settlement of such claim or suit. If the amount
 16 required for settlement exceeds the above amount, the parties hereto shall assume and take over the
 17 further handling of the claim or suit, unless such authority is delegated to Operator. All costs and ex-
 18 pense of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense
 19 of the parties. If a claim is made against any party or if any party is sued on account of any matter
 20 arising from operations hereunder over which such individual has no control because of the rights given
 21 Operator by this agreement, the party shall immediately notify Operator, and the claim or suit shall
 22 be treated as any other claim or suit involving operations hereunder.

23
 24 **ARTICLE XI.**
 25 **FORCE MAJEURE**

26
 27 If any party is rendered unable, wholly or in part, by force majeure to carry out its obligations
 28 under this agreement, other than the obligation to make money payments, that party shall give to all
 29 other parties prompt written notice of the force majeure with reasonably full particulars concerning it;
 30 thereupon, the obligations of the party giving the notice, so far as they are affected by the force majeure,
 31 shall be suspended during, but no longer than, the continuance of the force majeure. The affected party
 32 shall use all reasonable diligence to remove the force majeure situation as quickly as practicable.

33
 34 The requirement that any force majeure shall be remedied with all reasonable dispatch shall not
 35 require the settlement of strikes, lockouts, or other labor difficulty by the party involved, contrary to its
 36 wishes; how all such difficulties shall be handled shall be entirely within the discretion of the party
 37 concerned.

38
 39 The term "force majeure", as here employed, shall mean an act of God, strike, lockout, or other
 40 industrial disturbance, act of the public enemy, war, blockade, public riot, lightning, fire, storm, flood,
 41 explosion, governmental action, governmental delay, restraint or inaction, unavailability of equipment,
 42 and any other cause, whether of the kind specifically enumerated above or otherwise, which is not
 43 reasonably within the control of the party claiming suspension.

44
 45 **ARTICLE XII.**
 46 **NOTICES**

47
 48 All notices authorized or required between the parties, and required by any of the provisions of
 49 this agreement, unless otherwise specifically provided, shall be given in writing by United States mail
 50 or Western Union telegram, postage or charges prepaid, or by teletype, and addressed to the party to
 51 whom the notice is given at the addresses listed on Exhibit "A". The originating notice given under any
 52 provision hereof shall be deemed given only when received by the party to whom such notice is directed,
 53 and the time for such party to give any notice in response thereto shall run from the date the originat-
 54 ing notice is received. The second or any responsive notice shall be deemed given when deposited in
 55 the United States mail or with the Western Union Telegraph Company, with postage or charges prepaid,
 56 or when sent by teletype. Each party shall have the right to change its address at any time, and from
 57 time to time, by giving written notice hereof to all other parties.

58
 59 **ARTICLE XIII.**
 60 **TERM OF AGREEMENT**

61
 62 This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas in-
 63 terests subjected hereto for the period of time selected below; provided, however, no party hereto shall
 64 ever be construed as having any right, title or interest in or to any lease, or oil and gas interest con-
 65 tributed by any other party beyond the term of this agreement.

66
~~67 This agreement shall remain in full force and effect as to the oil and gas leases and/or oil and gas in-
 68 terests subjected hereto for the period of time selected below; provided, however, no party hereto shall
 69 ever be construed as having any right, title or interest in or to any lease, or oil and gas interest con-
 70 tributed by any other party beyond the term of this agreement.~~

~~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 130 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 or reworking 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 or reworking operations are commenced within 120 days from the date of abandonment of said well.~~

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

ARTICLE XIV.
COMPLIANCE WITH LAWS AND REGULATIONS

A. Laws, Regulations and Orders:

This agreement shall be subject to the conservation laws of the state in which the committed acreage 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:

The essential validity of this agreement and all matters pertaining thereto, 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 where most of the land in the Contract Area is located shall govern.

ARTICLE XV.
OTHER PROVISIONS

- A. Not included.
- B. Not included.
- C. Not included.

D. Notwithstanding any other provisions herein, if during the term of this agreement, a well is required to be drilled, deepened, reworked, plugged back, sidetracked, or recompleted, or any other operation that may be required in order to (1) continue a lease or leases in force and effect, or (2) maintain a unitized area or any portion thereof in force and effect, or (3) earn or preserve an interest in and to oil and/or gas and other minerals which may be owned by a third party or which, failing in such operation, may revert to a third party, or, (4) comply with an order issued by a regulatory body having jurisdiction in the premises, failing in which certain rights would terminate, the following shall apply. Should less than all of the parties hereto elect to participate and pay their proportionate part of the costs to be incurred in such operation, those parties desiring to participate shall have the right to do so at their sole cost, risk, and expense. Promptly following the conclusion of such operation, each of those parties not participating agree to execute and deliver an appropriate assignment to the total interest of each non-participating party in and to the lease, leases, or rights which would have terminated or which otherwise may have been preserved by virtue of such operation, and in and to the lease, leases or rights within the balance of the drilling unit upon which the well was drilled, excepting, however, wells theretofore completed and capable of producing in paying quantities. Such assignment shall be delivered to the participating parties in the proportion that they bore the expense attributable to the non-participating parties' interest.

E. No production, whether oil or gas, may be sold from the lease acreage, or lands pooled therewith, to any party's subsidiaries, affiliates, or associates, without each party's prior written consent. All production sold from the lease acreage, or lands pooled therewith, will be an arm's length trade with a third party purchaser. It is expressly agreed if prior written consent is given to a party selling to themselves, its subsidiaries, affiliates, or associates, the other parties to this agreement will have the option to also sell to said purchaser, at the same or better price. In the event any party hereto, makes an arm's length trade with a third party purchaser, the remaining parties will have the option to also sell at the same or higher price.

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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 24th day of January, 1991.

OPERATOR

YATES PETROLEUM CORPORATION

By: [Signature]
Attorney-in-Fact

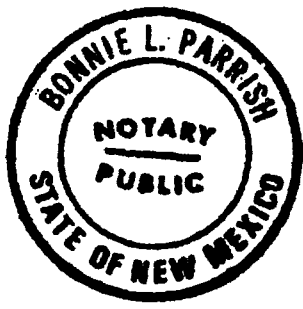
NON-OPERATORS

STATE OF NEW MEXICO)
: SS
COUNTY OF EDDY)

The foregoing instrument was acknowledged before me this 21st day of January, 1991, by John A. Yates, Attorney-in-Fact for YATES PETROLEUM CORPORATION, a New Mexico corporation, on behalf of said corporation.

My commission expires:
August 28, 1991

[Signature]
Notary Public



ATTACHED TO AND MADE A PART OF OPERATING AGREEMENT DATED JANUARY 24, 1991, BETWEEN YATES PETROLEUM CORPORATION, "OPERATOR", AND YATES DRILLING COMPANY, ET AL, AS "NON-OPERATORS", COVERING COWBOY DRAW UNIT LANDS IN TOWNSHIP 5 SOUTH, RANGE 20 EAST, CHAVES COUNTY, NEW MEXICO.

EXHIBIT "A"

- I. 1. Lands Subject to Agreement:
See Exhibit A-IV attached
- 2. Depth Restriction: None
- 3. Drilling Unit for First Well:
Proration Unit as established by the New Mexico OCD.

II. Percentage interests of Parties Under the Agreement:

<u>Names</u>	<u>Initial Test West Before and After Payout</u>	<u>Subsequent Wells</u>
Yates Petroleum Corporation	40%	To be drilled and paid for by the party(s) contributing the lease(s) which each subsequent well is to be drilled on.
Yates Drilling Company	20%	
Abo Petroleum Corporation	20%	
Myco Industries, Inc.	20%	

III. Names and Addresses of Parties:

Yates Petroleum Corporation
Yates Drilling Company
Abo Petroleum Corporation
Myco Industries, Inc.
105 South Fourth Street
Artesia, New Mexico 88210

EXHIBIT A-IV - Oil and Gas Leases Subject to This Agreement

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
1.	T4S-R21E Sec. 6: Lots 1 thru 5, SE/4NW/4, S/2NE/4 Sec. 7: Lots 1 thru 4 E/2W/2, E/2 Sec. 18: Lots 1 thru 4 E/2W/2, E/2 Sec. 19: Lots 1 thru 4 E/2W/2, E/2	2,188.57	NM-36882 3-1-91	USA 12.5%	John A. Yates	None	Marico Exploration, Inc. - .02784843 Mycos Industries, Inc. - .02849726 Price, Lester J. - .09060527 Price, Cynthia Ann Yates - .00674613 Yates, Jo Ann - .15869603 Yates, Peggy A. - .11666389 Yates, Estelle H. - .06551314 Yates, Lillie M. Estate - .10667454 Yates, John A. Jr. - .04032499 Yates Drilling Company - .12172038 Yates, S. P. - .05397310 Yates, John A. - .07730725 Yates, Judy H. Sole & Separate Property - .00930466 Yates, Peyton Sole & Separate Property - .03701607 Yates, Richard Yates, Martin III Estate - .04034979 <u>1.00000000</u>

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
2.	T55-R20E Sec. 7: Lots 3,4, NE/4NW/4, SE/SW, NE/4 Sec. 8: N/2, N/2S/2, SE/4SE/4 Sec. 9: All Sec. 10: All	2,127.13	NM-37027 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034979</u> 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
3.	T5S-R20E Sec. 1: Lots 1 thru 4, S/2N/2, S/2 Sec. 11: All Sec. 12: All	1,918.40	NM-37028 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034979</u> 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
4.	T5S-R20E Sec. 3: Lots 1 thru 3, S/2N/2, S/2 Sec. 4: Lots 1 thru 4 S/2N/2, S/2 Sec. 5: Lots 1 thru 4 S/2N/2, S/2 Sec. 6: Lots 1 thru 7 S/2NE/4, SE/4NW/4, E/2SW/4, SE/4	2,550.19	NM-37029 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
5.	T4S-R20E Sec. 18: Lots 1 thru 12, E/2 Sec. 19: Lots 1 thru 8, 10, 11, 12, E/2 Sec. 27: E/2, NW/4, N/2SW/4 Sec. 29: NE/4, NW/4NW/4, S/2NW/4	2,237.86	NM-37032 3-1-91	USA 12.5%	John A. Yates, Jr.	S.P. Yates 2%	<p>Marico Exploration, Inc. .02784843</p> <p>Mycos Industries, Inc. .02849726</p> <p>Price, Lester J. .09060527</p> <p>Price, Cynthia Ann Yates .00674613</p> <p>Yates, Jo Ann .15869603</p> <p>Yates, Peggy A. .11666389</p> <p>Yates, Estelle H. .06551314</p> <p>Yates, Lillie M. Estate .10667454</p> <p>Yates, John A. Jr. Yates Drilling Company .04032499</p> <p>Yates, S. P. .12172038</p> <p>Yates, John A. .05397310</p> <p>Yates, Judy H. .07730725</p> <p>Sole & Separate Property .00930466</p> <p>Yates, Peyton Sole & Separate Property .03701607</p> <p>Yates, Richard .01875907</p> <p>Yates, Martin III Estate .04034979</p> <p><u>1.00000000</u></p>

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty & Ownership	Lessee of Record	Royalty Owners	Overriding	Working Interest
6.	T4S-R20E Sec. 30: Lots 1 thru 12, E/2 Sec. 31: Lots 1 thru 12, E/2 Sec. 33: W/2 W/2SE/4, SE/4SE/4	1,880.64	NM-37033 3-1-91	USA 12.5%	Yates Drilling Company	S. P. Yates 2%		Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
								.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners	
8.	T4S-R20E Sec. 25: All	2,520.00	NM-37037 3-1-91	USA 12.5%	S. P. Yates	None	Marrico Exploration, Inc. Myco Industries, Inc.	.02784843
	Sec. 26: All						Price, Lester J. Price, Cynthia Ann Yates	.02849726 .09060527
	Sec. 34: E/2, NE/4NW/4, SW/4, S/2NW/4 Sec. 35: All						Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate	.00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000
								<u>1.00000000</u>

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
9.	T4S-R20E Sec. 14: All Sec. 15: All Sec. 22: All Sec. 23: All	2,560.00	NM-37039 3-1-91	USA 12.5%	Estelle Yates	S. P. Yates 2%	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
10.	T4S-R20E Sec. 1: Lots 1 thru 4, S/2N/2, S/2 Sec. 12: All Sec. 13: All Sec. 24: N/2NE/4, SE/4NE/4, W/2NW/4, SE/4NW/4, S/2	2,840.86	NM-37041 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034979</u> 1.00000000

TOTAL 23,383.65 ACRES OF FEDERAL LANDS LEASED

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners	
11.	T4S-R20E Sec. 2: Lots 1,2,3,4 S/2N/2, S/2 Sec. 3: Lots 1,2,3,4 S/2N/2, S/2	1,283.26	LH-65-2 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Los Siete Exploration 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycos Industries, Inc. Yates Drilling Company Yates Petroleum Corporation	- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - .02031250 - <u>.38906250</u> 1.00000000
12.	T4S-R20E Sec. 10: All Sec. 11: All	1,280.00	LH-70-1 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Joe B. Schutz 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycos Industries, Inc. Yates Drilling Company Yates Petroleum Corporation	- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - <u>.38906250</u> 1.00000000

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
13.	T4S-R20E Sec. 19: Lot 9 Sec. 29: NE/4NW/4	80.00	LH-71 7-1-91	State of New Mexico 12.5%	Mckay Oil Corporation		Mckay Oil Corporation - 100%
14.	T4S-R20E Sec. 32: All	640.00	LH-72-1 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Joe B. Schutz 2%	Abn Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycn Industries, Inc. Yates Drilling Company Yates Petroleum Corporation
15.	T5S-R20E Sec. 2: Lots 1-4, S/2N/2, S/2	637.66	LH-435 9-1-91	State of New Mexico 12.5%	Mckay Oil Corporation		Mckay Oil Corporation - 100%

TOTAL 3,920.92 ACRES OF STATE OF NEW MEXICO LANDS LEASED

COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
16.	T4S-R20E Sec. 24: NE/4NW/4, SW/4NE/4	80.00		State of New Mexico	Unleased		
17.	T4S-R20E Sec. 36: All	640.00		State of New Mexico	Unleased		
TOTAL		720.00	ACRES UNLEASED STATE OF NEW MEXICO ACREAGE				

18.	T4S-R20E Sec. 27: S/2SW/4 Sec. 33: NE/4, NE/4SE/4 Sec. 34: NW/4NW/4 T4S-R20E Sec. 29: S/2	320.00	Fee	M. M. Mershan	Unleased		
		320.00	Fee	H. M. Corn	Unleased		

COMBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
19.	T4S-R21E Sec. 6: Lots 6,7 E/2W/2, SE/4	311.14		R. D. Thompson	Unleased		
20.	T5S-R20E Sec. 3: Lot 4 Sec. 7: Lots 1,2 SE/4NW/4, NE/4SW/4, SE/4 Sec. 8 S/2SW/4, SW/4SE/4	486.44		K. A. Yoder	Unleased		
		TOTAL 1,437.58 ACRES UNLEASED FEE ACREAGE					

RECAPITULATION

23,383.65 ACRES FEDERAL LANDS	-	79.37% OF UNIT AREA
4,640.92 ACRES STATE LANDS	-	15.75% OF UNIT AREA
1,437.58 ACRES FEE LANDS	-	4.88% OF UNIT AREA
TOTAL	29,462.15 ACRES ALL LANDS	- 100.00% OF UNIT AREA

EXHIBIT " C "

Attached to and made a part of THAT CERTAIN OPERATING AGREEMENT dated January 24, 1991, between Yates Petroleum Corporation as Operator and Yates Drilling Company, et al., 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 of North America.

2. Statement and Billings

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

3. Advances and Payments by Non-Operators

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

Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made within such time, the unpaid balance shall bear interest monthly at the rate of twelve percent (12%) per annum or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of unpaid amounts.

4. Adjustments

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

5. Audits

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

6. Approval by Non-Operators

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

II. DIRECT CHARGES

Operator shall charge the Joint Account with the following items:

1. Rentals and Royalties

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

2. Labor

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

3. Employee Benefits

Operator's current costs of established plans for employees' group life insurance, hospitalization, pension, retirement, stock purchase, thrift, bonus, and other benefit plans of a like nature, applicable to Operator's labor cost chargeable to the Joint Account under Paragraphs 2A and 2B of this Section II shall be Operator's actual cost not to exceed twenty per cent (20%), or percentage most recently recommended by COPAS.

4. Material

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

5. Transportation

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

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

6. Services

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

7. Equipment and Facilities Furnished by Operator

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

8. Damages and Losses to Joint Property

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

9. Legal Expense

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

10. Taxes

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

11. Insurance

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

12. Other Expenditures

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

III. OVERHEAD**1. Overhead - Drilling and Producing Operations**

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

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

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

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

A. Overhead - Fixed Rate Basis

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

Drilling Well Rate \$ 3,000.00
Producing Well Rate \$ 300.00

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

(a) Drilling Well Rate

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

(b) Producing Well Rates

- [1] An active well either produced or injected into for any portion of the month shall be considered as a one-well charge for the entire month.
 - [2] Each active completion in a multi-completed well in which production is not commingled down hole shall be considered as a one-well charge providing each completion is considered a separate well by the governing regulatory authority.
 - [3] An inactive gas well shut in because of overproduction or failure of purchaser to take the production shall be considered as a one-well charge providing the gas well is directly connected to a permanent sales outlet.
 - [4] A one-well charge may be made for the month in which plugging and abandonment operations are completed on any well.
 - [5] All other inactive wells (including but not limited to inactive wells covered by unit allowable, lease allowable, transferred allowable, etc.) shall not qualify for an overhead charge.
- (3) The well rates shall be adjusted as of the first day of April each year following the effective date of the agreement to which this Accounting Procedure is attached. The adjustment shall be computed by multiplying the rate currently in use by the percentage increase or decrease in the average weekly earnings of Crude Petroleum and Gas Production Workers for the last calendar year compared to the calendar year preceding as shown by the index of average weekly earnings of Crude Petroleum and Gas Fields Production Workers as published by the United States Department of Labor, Bureau of Labor Statistics, or the equivalent Canadian index as published by Statistics Canada, as applicable. The adjusted rates shall be the rates currently in use, plus or minus the computed adjustment.

B. Overhead - Percentage Basis

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

(a) Development

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

(b) Operating

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

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

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

2. Overhead - Major Construction

To compensate Operator for overhead costs incurred in the construction and installation of fixed assets, the expansion of fixed assets, and any other project clearly discernible as a fixed asset required for the development and operation of the Joint Property, Operator shall either negotiate a rate prior to the beginning of construction, or shall charge the Joint Account for Overhead based on the following rates for any Major Construction project in excess of \$ 25,000.00 :

- A. 5 % of total costs if such costs are more than \$ 25,000.00 but less than \$ 100,000.00 ; plus
 B. 3 % of total costs in excess of \$ 100,000.00 but less than \$1,000,000; plus
 C. 2 % of total costs in excess of \$1,000,000.

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

3. Amendment of Rates

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

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

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

1. Purchases

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

2. Transfers and Dispositions

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

A. New Material (Condition A)

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

B. Good Used Material (Condition B)

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

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

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

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

C. Other Used Material (Condition C and D)

(1) Condition C

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

(2) Condition D

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

D. Obsolete Material

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

E. Pricing Conditions

- (1) Loading and unloading costs may be charged to the Joint Account at the rate of fifteen cents (15¢) per hundred weight on all tubular goods movements, in lieu of loading and unloading costs sustained, when actual hauling cost of such tubular goods are equalized under provisions of Paragraph 5 of Section II.
- (2) Material involving erection costs shall be charged at applicable percentage of the current knocked-down price of new Material.

3. Premium Prices

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

4. Warranty of Material Furnished by Operator

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

V. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

1. Periodic Inventories, Notice and Representation

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

2. Reconciliation and Adjustment of Inventories

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

3. Special Inventories

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

4. Expense of Conducting Periodic Inventories

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

EXHIBIT "E"

GAS BALANCING AGREEMENT

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

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

1. During the period or periods when any parties hereto collectively owning participation percentages of less than 50% have no market for their share of gas produced from any proration unit within the Contract Area, or their purchaser does not take its full share of gas produced from such proration unit, other parties collectively owning participation percentages of more than 50% shall be entitled to produce each month 100% of the lesser of a) allowable gas production assigned to such proration unit by applicable state regulatory authority or b) the delivery capacity of gas from such proration unit; provided, however, no party who does not have gas in place shall be entitled to take or deliver to a purchaser gas production in excess of 200% of the lesser of c) its share of the volumes of gas capable of being delivered on a daily basis or d) its share of allowable gas production. All parties hereto shall share in and own the liquid hydrocarbons recovered from such gas by lease equipment in accordance with their respective interests and subject to the Operating Agreement to which this agreement is attached, but the party or parties taking such gas shall own all of the gas delivered to its or their purchaser.

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

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

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

4. After notice to the Operator, any party at any time may begin taking or delivering to its purchaser its full share of the gas produced from a proration unit under which it has gas in place less such party's share of gas used in operations, vented or lost. In addition to such share, each party, including the Operator, until it has recovered its gas in place and balanced the gas account as to its interest, shall be entitled to take or deliver to its purchaser a share of gas determined by multiplying 50% of the interest in the current gas production of the party or parties without gas in place by a fraction, the numerator of which is the interest in the proration unit of such party with gas in

place and the denominator of which is the total percentage interest in such proration unit of all parties with gas in place currently taking or delivering to a purchaser.

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

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

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

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

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

EXHIBIT "F"

EQUAL EMPLOYMENT OPPORTUNITY PROVISION

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, national origin or sex. The Operator will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin or sex. 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 for the contracting officer setting forth the provisions of this non-discrimination clause.
- (2) The Operator will, in all solicitations or advertisements for employees placed by or on behalf of the Operator, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin or sex.
- (3) The Operator will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the labor union or workers' 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 its 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 non-compliance with the non-discrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be cancelled, terminated or suspended in whole or in part and the Operator may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

- (7) The Operator will include the provisions of Paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Operator will take such action with respect to any subcontract or purchase order as the 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, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Operator may request the United States to enter into such litigation to protect the interests of the United States.

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

Operator further acknowledges that he may be required to develop a written affirmative action compliance program as required by the Rules and Regulations approved by the Secretary of Labor under authority of Executive Order 11246 and supply Non-Operators with a copy of such program if they so request.

CERTIFICATION OF NON-SEGREGATED FACILITIES

Operator assures Non-Operators that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. For this purpose, it is understood that the phrase "segregated facilities" includes facilities which are in fact segregated on a basis of race, color, religion, or national origin, because of habit; local custom or otherwise. It is further understood and agreed that maintaining or providing segregated facilities for its employees or permitting its employees to perform their services at any location under its control where segregated facilities are maintained is a violation of the equal opportunity clause required by Executive Order 11246 of September 24, 1965.

Operator further understands and agrees that a breach of the assurance herein contained subjects it to the provisions of the Order at 41 CFR Chapter 60 of the Secretary of Labor dated May 21, 1968, and the provisions of the equal opportunity clause enumerated in contracts between the United States of America and Non-Operators.

Whoever knowingly and willfully makes any false, fictitious or fraudulent representation may be liable to criminal prosecution under 18 U.S.C. § 1001.

Exhibit "F"
Page 2

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

S. P. YATES
CHAIRMAN OF THE BOARD
JOHN A. YATES
PRESIDENT
PEYTON YATES
EXECUTIVE VICE PRESIDENT
RANDY G. PATTERSON
SECRETARY
DENNIS G. KINSEY
TREASURER

**GEOLOGICAL EXPLANATION
OF THE PROPOSED
COWBOY DRAW UNIT
CHAVES COUNTY, NEW MEXICO**

LAND DESCRIPTION:

Yates Petroleum Corporation requests approval of the Cowboy Draw Unit, to be comprised of Sections 1-3, 10-15, and 17-36 of T-4-S, R-20-E; Sections 6, 7, 18, and 19 of T-4-S, R-21-E; Sections 1-12 of T-5-S, R-20-E, in Chaves County, a total of 29,471.88 acres. Initial test well location is 1980 FSL and 1980 FEL, Section 4, T-5-S, R-20-E, with projected total depth of 2800'.

PRIMARY OBJECTIVES

The primary objective of the test well within the proposed Cowboy Draw Unit is to establish new production from the Abo formation, north of the Serrano Buckle, at approximately 2400'.

UNIT GEOLOGY:

The proposed Cowboy Draw Unit is situated in the northern portion of the West of West Abo facies. It is positioned to test the Abo formation to the north of the Serrano Buckle and southwest of the Esperanza XP Fed. #2, located in section 26 of T-4-S, R-20-E. The Esperanza well has good channel sand development, with net sands at 70'. These sands were tabulated off the gamma ray log, from a reading of less than 70 API units. Water was encountered during completion of this well, limiting the production to 170 MCFGPD. The Esperanza XP Fed. #2 proves that the West of West Abo Facies is well developed within the Cowboy Draw Unit and that further exploration is needed to evaluate this reservoir.

CONCLUSION:

The proposed Cowboy Draw Unit is situated to test fluvial channels in the northern portion of the West of West Abo facies. Yates Petroleum proposes to drill the test well in Cowboy Draw Unit to the north of the Serrano Buckle and west of the Abo production in the West Pecos Slope Field. The extant data provides adequate justification for the formation of an exploration area as outlined by the Cowboy Draw Unit.

*Supplemental Information provided at
the 5/17/81 meeting*

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



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TREASURER

**GEOLOGICAL EXPLANATION
OF THE PROPOSED
WEST OF WEST ABO UNITS
CHAVES COUNTY, NEW MEXICO**

LAND DESCRIPTION:

Yates Petroleum Corporation requests approval of the Cowboy Draw Unit, Salt Creek Unit, and Blackwater Unit. The total acreage for the Cowboy Draw Unit is 29,471.88, with total federal acreage being 23,393.38, total state acreage being 4,640.92, and total fee acreage being 1,437.58. The total acreage for the Salt Creek Unit is 98,218.21, with total federal acreage being 75,735.60, total state acreage being 15,675.11, and total fee acreage 6,807.50. The total acreage for the Blackwater Unit is 41,471.32, with total federal acreage being 29,874.62, total state acreage being 6,302.27, and total fee acreage being 5,294.43.

PRIMARY OBJECTIVES

The primary objective that initiated the proposal of three exploration units and four initial test wells, ranging from 2800' to 3100', is to establish new, virtually untested, production from the Abo formation in a similar Abo facies as that found in the Pecos Slope and West Pecos Slope. Located west of established production in the West Pecos Slope and Pecos Slope fields, the target facies is a clastic fluvial wedge that is nearly identical to the clastic facies that will yield an estimated recovery of 750 BCF in the defined productive fields.

Even though the overall geological concept is similar for all the units, divisions were made on the merit of their relationship to major structural features that may contribute to production. The Cowboy Draw Unit is proposed to test the area north of the Serrano Buckle, the Salt Creek Unit will test the area south of the Serrano Buckle and north of the Border Buckle, and the Blackwater Unit will evaluate the area south of the Border Buckle. The three unit divisions are also more suitable for proper land management. The four test wells in the three exploratory units should adequately test the Abo formation in this remote area.

EXHIBITS:

REGIONAL GEOLOGY

Exhibit #1: Regional Tectonic and Facies Map

Exhibit #2: West to East Stratigraphic Cross-section B to B'

The Abo formation (Permian Leonard) in the Pecos country was deposited as a fluvial clastic wedge on the northwestern limits of the stable Northwestern Shelf. The siliciclastics derived from the Pedernal Uplift were deposited downslope by fluvial processes as a response to a drop in the mean sea level. As the sea began its encroachment from the east, the main depositional center for the meandering channel facies moved laterally to the west from the present day location of the Pecos Slope, to the West Pecos Slope field, on toward the West of West area. The westward movement of fluvial processes continued into early Yeso time as indicated by the facies climbing higher stratigraphically to the west. Ultimately the entire clastic interval wedged out against the buried Pedernal Uplift.. (Exhibit #2).

Production in the Abo formation from the Pecos Slope and the West Pecos Slope occurs from the distal end of each respective clastic wedge on the lower reaches of the meandering channel system. On the upper reaches of each system as the overall depositional slope increases; the channels change into a braided channel sequence. These braided channels are almost always water productive.

The data however, strongly suggests a larger, more regional trapping mechanism than stratigraphy alone. Bottom hole pressures are subnormal and constant throughout the Pecos Slope and West Pecos Slope, even though depths vary as much as 2000 ft.. This indicates that tectonic induced fracturing may also be responsible for the large accumulation of gas. The most significant structural features (Exhibit #1) are a series of long, narrow, northeast-trending buckles, named: Serrano, Border, Six Mile, and Y-O. As described by Kelley(1971) "the buckles are right-wrench fold faults which are undoubtedly Precambrian rooted and show evidence of activity at least as old as Permian." In addition to the buckles described by Kelley, there are numerous smaller parallel faults that exhibit right-lateral movement. Production in the Pecos Slope and the West Pecos Slope coincide with these structural features, and it is believed that they contribute to the accumulation of gas in Pecos Slope area.

LOCAL GEOLOGY

Exhibit #3: Total Intensity Aeromagnetic Contour Map, Structural Contour Map on Top of Abo Formation, Isopach Map of the West of West Abo Facies.

Exhibit #4: North-South Structural Cross-section A to A'.

The proposed West of West Abo Units (Cowboy Draw, Salt Creek, and Blackwater) were initiated to test the only significant sandstone deposition west of

the West Pecos Slope field. These units will test the lowermost reaches of the meandering channel facies. Stratigraphically higher than the productive West Pecos Slope Facies, the West of West Facies is believed to be early Yeso in age.(Exhibit #3)

Structurally the units are situated in close proximity to the Serrano Buckle and the Border Buckle. These two faults are in a series of parallel right-lateral wrench faults. The faults probably induced a system of tectonic fractures that help define the trapping mechanism. Since well control in the unit areas is sparse, the magnetic map, indicating basement topography, was used to construct the Abo structure map. The Abo structure closely mimics the basement structure. The magnetic map also provides evidence that the wrench faults are rooted in the Precambrian.

In addition to aiding the entrapment of gas, the faults may have also provided a conduit for the migration of gas. With the Abo being a continental redbed sequence, gas was obviously generated elsewhere, possibly in the underlying Wolfcampian-Pennsylvanian formations.(Exhibit #4). Structural cross-section A-A' gives credence that suitable source sediments underlie the unit areas. The Wolfcampian-Pennsylvanian sediments thin to the west and eventually terminate against the Pedernal Uplift, much like the Abo.

CONCLUSION:

The proposed units, Cowboy Draw, Salt Creek, and Blackwater, are located to test the westernmost clastic fluvial wedge of the Abo formation. They are situated to test the lower reaches of the meandering fluvial channel facies that provide the only significant sandstone deposition west of the West Pecos Slope. Structurally the units are located in advantageous positions with respect to the northeastward buckles.

With the geology of the unit areas having the same basic structural and facies characteristics as the Pecos Slope field and West Pecos Slope field, the four proposed wells in the exploratory units will adequately test the Abo Formation in this remote area.

It is believed that these exploratory units; Cowboy Draw, Salt Creek, and Blackwater, offer a prudent and effective means to explore and develop gas reserves for Yates Petroleum Corporation in addition to the state of New Mexico, and the federal government of the United States of America.

MARTIN YATES, III
OIL CONSERVATION DIVISION
FRANK W. YATES
1936 - 1986

'91 SEP 26 AM 9 06



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SECRETARY
DENNIS G. KINSEY
TREASURER

September 24, 1991

Bureau of Land Management
Roswell District
P. O. Box 1397
Roswell, New Mexico 88201

Attention: Mr. Armando Lopez

TERMINATED

#10223

Re: **Cowboy Draw Unit**
Chaves County, New Mexico

Dear Mr. Lopez:

On February 28, 1991 the Cowboy Draw Unit was approved comprising 29,462.15 acres in Chaves County, New Mexico. The Cowboy Draw Unit #1 was spudded on February 28, 1991 and completed as a dry hole on March 26, 1991. As we discussed by telephone, due to our desire to do further geology prior to drilling an additional well on this unit, we respectfully request that the Cowboy Draw Unit be ~~terminated~~ and a two year extension be given the leases. At such time as we are ready to drill another well we will be requesting a new unit.

Thank you for your consideration.

Very truly yours,

YATES PETROLEUM CORPORATION

Randy G. Patterson
Land Manager

RGP/mw

cc: Mr. Floyd Prando
New Mexico State Land Office

Mr. William J. LeMay
New Mexico Oil Conservation Division



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

September 4, 1991

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Attn: Robert Bullock

Re: Cowboy^{Draw} Unit and Salt Creek Unit
Chaves County, New Mexico
6 month extension request

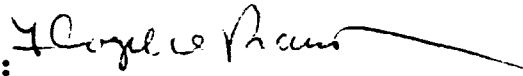
Dear Mr. Bullock

The Commissioner of Public Lands hereby grants approval of a one time six (6) month extension to drill the next well required under the Cowboy Draw Unit and the Salt Creek Unit Agreements. The required spud dates are on or before April 1, 1992 for the Cowboy Draw Unit #2 and on or before April 24, 1992 for the Salt Creek Unit. This six month extension is for one time only and no further extensions will be granted.

If we may be of further assistance please contact our office at (505) 827-5744.

Sincerely,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

By: 
Floyd O. Prando, Director
Oil, Gas & Minerals Division

JB/FOP/JSW

cc: Unit Correspondence File




JIM BACA
COMMISSIONER

State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-11

#10,223

January 6, 1992

Yates Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Attn: Mr. Robert Bullock

Re: ~~Termination of Cowboy Draw Unit~~
Chaves County, New Mexico

Dear Mr. Bullock:

The Bureau of Land Management has notified this office that as per your request, the Cowboy Draw Unit was terminated effective September 26, 1991.

This office is also in receipt of your request to terminate the above captioned unit agreement. Please be advised that the Cowboy Draw Unit has this date been terminated effective September 26, 1991. Please advise all interested parties of this action.

If you have any questions, or if we can be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File

D C D

REPORT TO DEPARTMENTS

067

UNIT NAME COMBOY DRAW UNIT
 OPERATOR YATES PETROLEUM CORPORATION
 COUNTY CHAVES COUNTY, NEW MEXICO

DATE APPROVED	OCC CASE NO. OCC ORDER NO.	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL	INDIAN-FEE	SEGREGATION CLAUSE	TERM
2-28-91	10223 R-9440	2-28-91	29,462.15	4,640.92	23,383.65	1,437.58	MODIFIED	5 years

TERMINATED

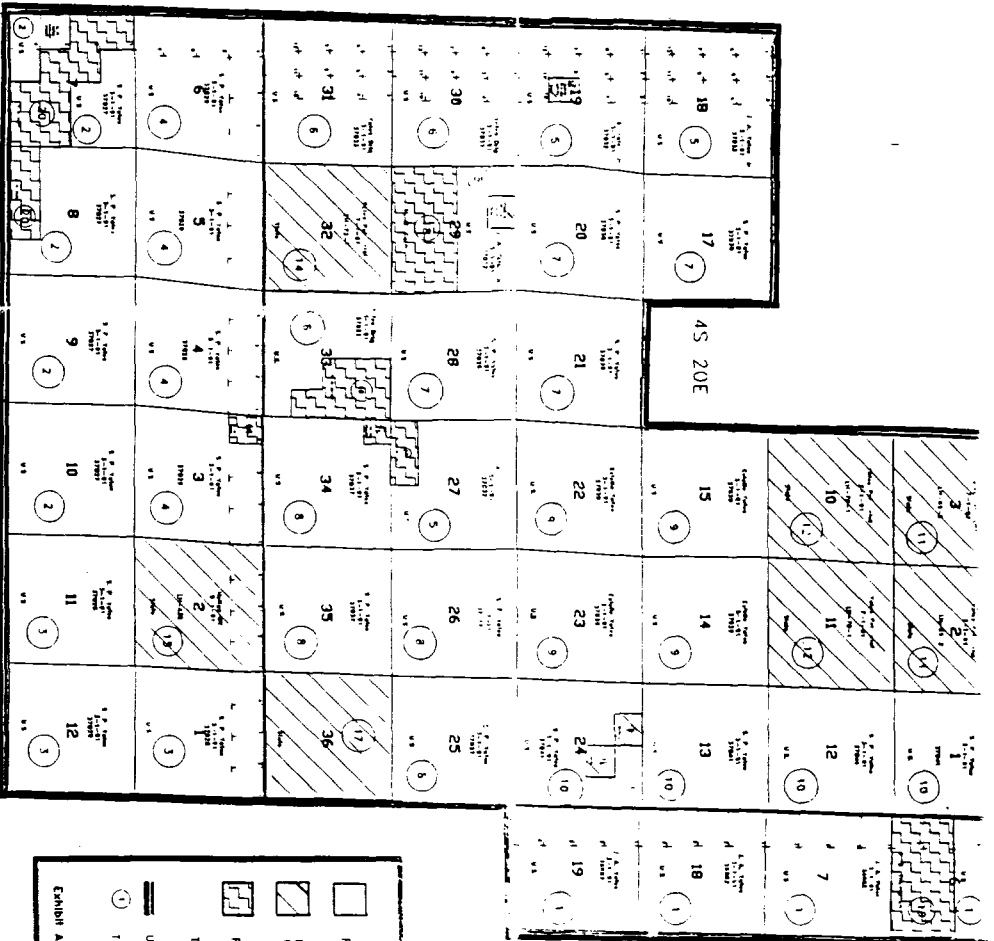
*APP 1/6/92 BY 9/5/91
 LISTED BY TERMINATION*

UNIT AREA

TOWNSHIP 4 SOUTH, RANGE 20 EAST, NMPM
 Sections 1 through 3: All
 Sections 10 through 15: All
 Sections 17 through 36: All

TOWNSHIP 4 SOUTH, RANGE 21 EAST, NMPM
 Sections 6 and 7: All
 Sections 18 and 19: All

TOWNSHIP 5 SOUTH, RANGE 20 EAST, NMPM
 Sections 1 through 12: All



SS 20E

Legend	ACRES	PERCENTAGE
Federal lands	23,351.65	70.5144443
Leased State lands	3,270.82	13.308310
Unleased State lands	770.00	2.441714
Fee lands	1,437.58	4.8794128
TOTAL	29,830.05	100.0000000

Unit Outline
Tract Number

Cowboy Draw Unit
Chaves County, New Mexico
Yates Petroleum Corporation
105 South Fourth Street
Amarillo, New Mexico

EXHIBIT A

RECORDED
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EXHIBIT B
 To Unit Agreement
 COWBOY DRAW UNIT
 Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty & Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
1.	T4S-R21E Sec. 6: Lots 1 thru 5, SE/4NW/4, S/2NE/4 Sec. 7: Lots 1 thru 4 E/2W/2, E/2 Sec. 18: Lots 1 thru 4 E/2W/2, E/2 Sec. 19: Lots 1 thru 4 E/2W/2, E/2	2,188.57	NM-36882 3-1-91	USA 12.5%	John A. Yates	None	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

EXHIBIT B
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COWBOY DRAW UNIT
Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty & Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
2.	T5S-R20E Sec. 7: Lots 3,4, NE/4NW/4, SE/SW, NE/4 Sec. 8: N/2, N/2S/2, SE/4SE/4 Sec. 9: All Sec. 10: All	2,127.13	NM-37027 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 <u>1.00000000</u>

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Chaves County, New Mexico

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3.	T5S-R20E Sec. 1: Lots 1 thru 4, S/2N/2, S/2 Sec. 11: All Sec. 12: All	1,918.40	NM-37028 3-1-91	USA	12.5%	S. P. Yates	None	
							Marico Exploration, Inc.	.02784843
							Mycro Industries, Inc.	.02849726
							Price, Lester J.	.09060527
							Price, Cynthia Ann Yates	.00674613
							Yates, Jo Ann	.15869603
							Yates, Peggy A.	.11666389
							Yates, Estelle H.	.06551314
							Yates, Lillie M. Estate	.10667454
							Yates, John A. Jr.	.04032499
							Yates Drilling Company	.12172038
							Yates, S. P.	.05397310
							Yates, John A.	.07730725
							Yates, Judy H. Sole & Separate Property	.00930466
							Yates, Peyton Sole & Separate Property	.03701607
							Yates, Richard	.01875907
							Yates, Martin III Estate	.04014979
								1.00000000

EXHIBIT B
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COMBOY DRAW UNIT
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Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
4.	T5S-R20E Sec. 3: Lots 1 thru 3, S/2N/2, S/2 Sec. 4: Lots 1 thru 4 S/2N/2, S/2 Sec. 5: Lots 1 thru 4 S/2N/2, S/2 Sec. 6: Lots 1 thru 7 S/2NE/4, SE/4NW/4, E/2SW/4, SE/4	2,550.19	NM-37029 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates, Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 .04034979 1.00000000

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5.	T4S-R20E Sec. 18: Lots 1 thru 12, E/2 Sec. 19: Lots 1 thru 8, 10, 11, 12, E/2 Sec. 27: E/2, NW/4, N/2SW/4 Sec. 29: NE/4, NW/4NW/4, S/2NW/4	2,237.86	NM-37032 3-1-91	USA 12.5%	John A. Yates, Jr.	S.P. Yates 2%	Marico Exploration, Inc. Mycro Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates, Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							.02784843 .02849726 .09060527 .00674613 .15869603 .11666389 .06551314 .10667454 .04032499 .12172038 .05397310 .07730725 .00930466 .03701607 .01875907 <u>.04034372</u> 1.00000000

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6.	T4S-R20E Sec. 30: Lots 1 thru 12, E/2 Sec. 31: Lots 1 thru 12, E/2 Sec. 33: W/2 W/2SE/4, SE/4SE/4	1,880.64	NM-37033 3-1-91	USA 12.5%	Yates Drilling Company	S. P. Yates 2%	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
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7.	T4S-R20E Sec. 17: All Sec. 20: All Sec. 21: All Sec. 28: All	2,560.00	NM-37036 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates, Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
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EXHIBIT B
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8.	T4S-R20E Sec. 25: All Sec. 26: All Sec. 34: E/2, NE/4NW/4, SW/4, S/2NW/4 Sec. 35: All	2,520.00	NM-37037 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
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9.	T4S-R20E Sec. 14: All Sec. 15: All Sec. 22: All Sec. 23: All	2,560.00	NM-37039 3-1-91	USA 12.5%	Estelle Yates	S. P. Yates 2%	Marico Exploration, Inc. Mycos Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
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10.	T4S-R20E Sec. 1: Lots 1 thru 4, S/2N/2, S/2 Sec. 12: All Sec. 13: All Sec. 24: N/2NE/4, SE/4NE/4, W/2NW/4, SE/4NW/4, S/2	2,840.86	NM-37041 3-1-91	USA 12.5%	S. P. Yates	None	Marico Exploration, Inc. Myco Industries, Inc. Price, Lester J. Price, Cynthia Ann Yates Yates, Jo Ann Yates, Peggy A. Yates, Estelle H. Yates, Lillie M. Estate Yates, John A. Jr. Yates Drilling Company Yates, S. P. Yates, John A. Yates, Judy H. Sole & Separate Property Yates, Peyton Sole & Separate Property Yates, Richard Yates, Martin III Estate
							- .02784843 - .02849726 - .09060527 - .00674613 - .15869603 - .11666389 - .06551314 - .10667454 - .04032499 - .12172038 - .05397310 - .07730725 - .00930466 - .03701607 - .01875907 - .04034979 1.00000000

TOTAL 23,383.65 ACRES OF FEDERAL LANDS LEASED

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11.	T4S-R20E Sec. 2: Lots 1,2,3,4 S/2N/2, S/2 Sec. 3: Lots 1,2,3,4 S/2N/2, S/2	1,283.26	LH-65-2 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Los Siete Exploration 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycro Industries, Inc. Yates Drilling Company Yates Petroleum Corporation
							- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - .02031250 - .38906250 <u>1.00000000</u>
							Beneficiary: Common Schools
12.	T4S-R20E Sec. 10: All Sec. 11: All	1,280.00	LH-70-1 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Joe B. Schutz 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycro Industries, Inc. Yates Drilling Company Yates Petroleum Corporation
							- .02031250 - .50000000 - .05000000 - .02031250 - .02031250 - .02031250 - .38906250 <u>1.00000000</u>
							Beneficiary: Common Schools

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13.	T4S-R20E Sec. 19: Lot 9 Sec. 29: NE/4NW/4	80.00	*LH-71-1 7-1-91	State of New Mexico 12.5%	Mckay Oil Corporation and The McKay Children's Trust		Mckay Oil Corporation - 100%
					* Part of lease not in Unit		
					Beneficiary: Common Schools		
14.	T4S-R20E Sec. 32: All	640.00	LH-72-1 7-1-91	State of New Mexico 12.5%	MTS Limited Partnership Basic Resources, Inc.	Joe B. Schutz 2%	Abo Petroleum Corporation Basic Resources, Inc. Bechtel Energy Partners, LTD Mycos Industries, Inc. Yates Drilling Company Yates Petroleum Corporation
					Beneficiary: Common Schools		
15.	T5S-R20E Sec. 2: Lots 1-4, S/2N/2, S/2	637.66	LH-435-2 9-1-91	State of New Mexico 12.5%	Mckay Oil Corporation and The McKay Children's Trust		Mckay Oil Corporation - 100%
					Beneficiary: Common Schools		
TOTAL		3,920.92	ACRES OF STATE OF NEW MEXICO LANDS LEASED				

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 Chaves County, New Mexico

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Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership & Lessee of Record	Overriding Royalty Owners	Working Interest Owners
16.	T4S-R20E Sec. 24: NE/4NW/4, SW/4NE/4	80.00	Unleased	State of New Mexico		
Beneficiary: Common Schools						
17.	T4S-R20E Sec. 36: All	640.00	Unleased	State of New Mexico		
Beneficiary: Common Schools						
TOTAL		720.00	ACRES UNLEASED STATE OF NEW MEXICO ACREAGE			

18.	T4S-R20E Sec. 27: S/2SW/4 Sec. 33: NE/4, NE/4SE/4 Sec. 34: NE/4NW/4 T4S-R20E Sec. 29: S/2	320.00	Fee	M. M. Mershan	Unleased	
		320.00	Fee	H. M. Corn	Unleased	

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Chaves County, New Mexico

Tract #	Land Description	No. of Acres	Serial No. & Exp. Date	Basic Royalty Ownership &	Lessee of Record	Overriding Royalty Owners	Working Interest Owners
19.	T4S-R21E Sec. 6: Lots 6, 7 E/2W/2, SE/4	311.14		R. D. Thompson	Unleased		
20.	T5S-R20E Sec. 3: Lot 4 Sec. 7: Lots 1, 2 SE/4NW/4, NE/4SW/4, SE/4 Sec. 8 S/2SW/4, SW/4SE/4	486.44		K. A. Yoder	Unleased		
TOTAL		1,437.58	ACRES UNLEASED FEE ACREAGE				

RECAPITULATION

23,383.65	ACRES FEDERAL LANDS	-	79.37%	OF UNIT AREA
4,640.92	ACRES STATE LANDS	-	15.75%	OF UNIT AREA
1,437.58	ACRES FEE LANDS	-	4.88%	OF UNIT AREA
TOTAL		29,462.15	ACRES ALL LANDS - 100.00% OF UNIT AREA	