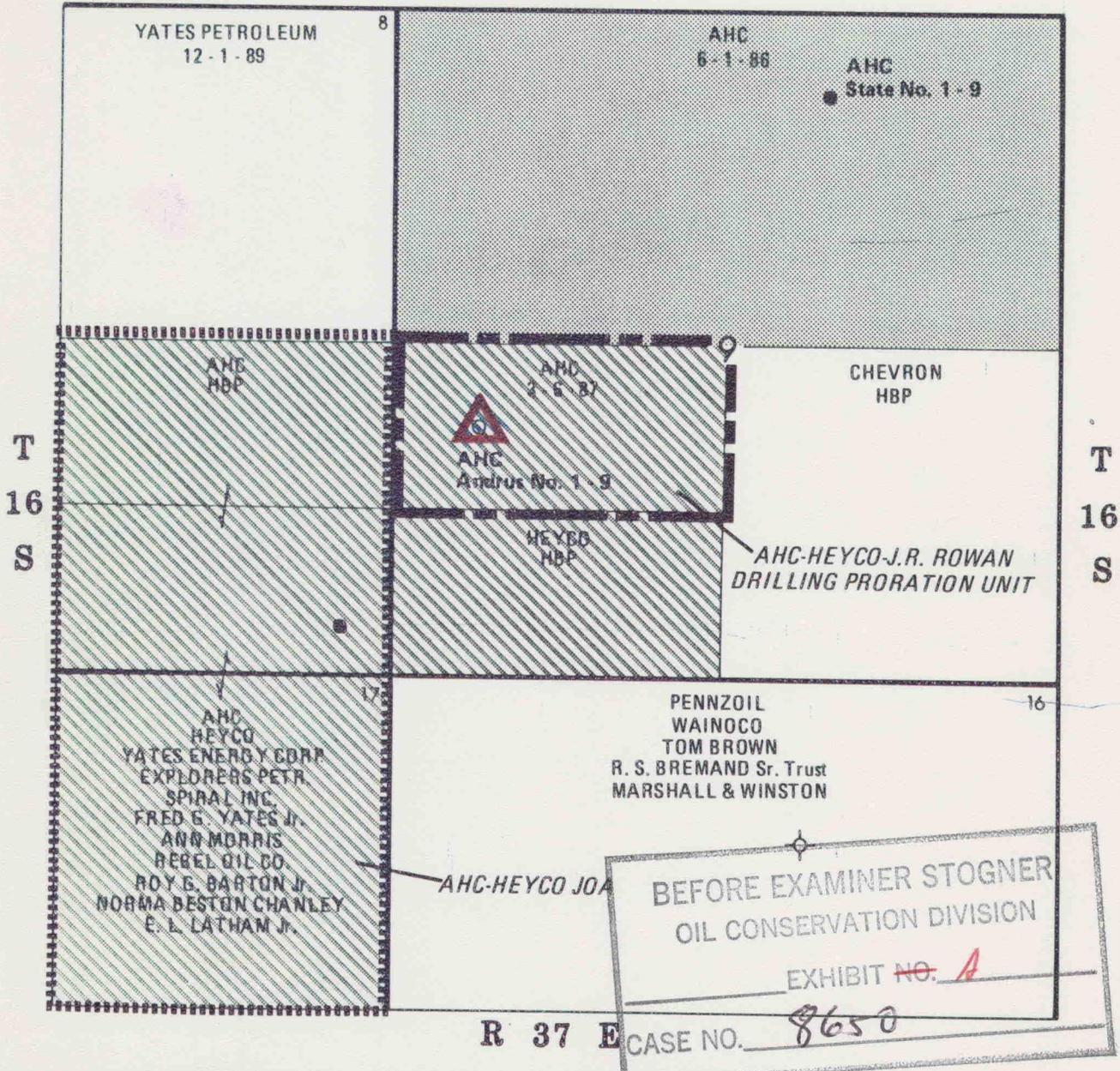


EXHIBIT "A"

LEASE OWNERSHIP PLAT

R 37 E



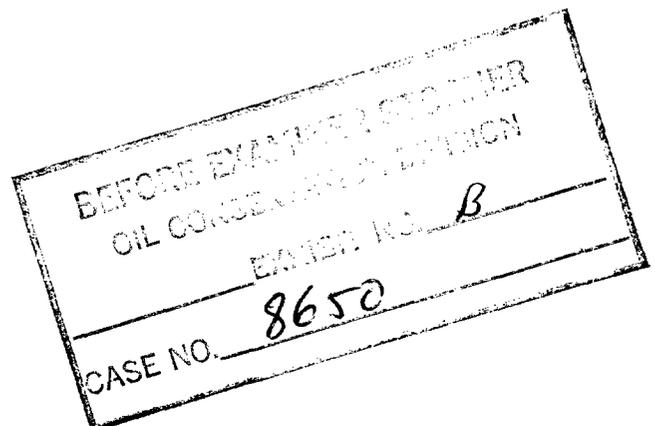
**PROPOSED AHC-ANDRUS NO. 1-9
NWSW OF SECTION 9, T16S, R37E
LEA COUNTY, NEW MEXICO
JULY 3, 1985**

EXHIBIT "B"

Oil, gas and other minerals in SW/4 Sec.9,
T-16-S, R-37-E, Lea County, Twin Lakes Prospect

Leased

Jessie Benson, a widow (80/256 of 1/8) . . . . .	.0390625	RI
Perry Glynn Hardin Gregory (40/256 of 3/16) . . . . .	.0292969	RI
Martin A. Budish, as his separate property (2/256 of 3/16) . . . . .	.0014648	RI
College of the Southwest of Lovington Highway (32/256 of 3/16) . . . . .	.0234375	RI
The Heirs of Dr. H. T. Ewans, deceased, believed to be Ann Ewan Steele (2/256 of 48/256) . . . . .	.0014648	RI
The Heirs of J. Perry Andrus who are: Jess Medlin, Stenson A. Andrus, Lillie Mae Conley, Billie Jean Goff, and Lawrence R. Andrus (48/256 of 3/16) . . . . .	.0351563	RI
Bill Anthony (1/8 of 80/256) . . . . .	.0390625	ORI
HEYCO, et al (50/256 of 13/16) . . . . .	.1586914	WI
J. R. Rowan (1/128 of 13/16) . . . . .	.0063477	WI
Amerada Hess Corporation (80/256 of 3/4 + 72/256 of 13/16) . . . . .	.4628906	WI
(3) The Heirs of Aula (Eula) Andrus (24/256 of 8/8) . . . . .	.0937500	MI
(2) Harvey A. Carnes, et ux Constance (1/256 of 8/8) . . . . .	.0039063	MI
(1) William C. Uphoff (4/256 of 8/8) . . . . .	.0156250	MI
(4) Hy B. Finkenhoefer (1/256 of 8/8) . . . . .	.0039063	MI
(4) Mrs. Mary A. Busby (1/256 of 8/8) . . . . .	.0039063	MI
(2) Rebel Oil Company (1/256 of 8/8) . . . . .	.0039063	MI
(1) Alfred Letzenick (2/256 of 8/8) . . . . .	.0078124	MI
(1) Clarice L. Van Eman (2/256 of 8/8) . . . . .	.0078124	MI
(1) The New Mexico Royalty Trust (16/256 of 8/8) . . . . .	.0625000	MI



- (1) INTEREST TO BE FORCE POOLED
- (2) LEASED BY AMERADA HESS CORPORATION
- (3) LEASED BY HARVEY E. YATES CO.
- (4) LEASED BY J.R. ROWAN

EXHIBIT "C"

RECORD TAKE-OFF OF
 MINERAL AND LEASE OWNERSHIP

COVERING

Section 9, T-16-S, R-37-E

*For Pounce
 505-396-2829*

505-746-3508

Page 1 of 2 pages

as of 7-13-83

LEASING RIGHTS (MINERAL OWNER)	INT.	NET ACRES	LESSEE	EXP. DATE
SW/4 505-667-9844 Perry Glynn Hardin Gregory Los Alamos National Bank Los Alamos, New Mexico 87544 505-752-3253	5/32	25.00	Harvey E. Yates Co.	3/6/84 3/16 Royalty
Jane Weir Andrus a widow 100 East Sterling P.D. 307 Hagerman, New Mexico 88232 505-752-3313	5/32	25.00	Harvey E. Yates Co.	3/5/84 3/16 Royalty
Stenson Austin Andrus 600 North Cambridge Hagerman, New Mexico 88232	7/80	14.00	Harvey E. Yates Co.	3/7/84 3/16 Royalty HBF
Lillis Mae Conley c/o Stenson Austin Andrus - above	7/80	14.00	joined in foregoing lease	HBF
Billie Jean Goff c/o Stenson Austin Andrus - above	7/80	14.00	joined in foregoing lease	HBF
Jess Medlin c/o Stenson Austin Andrus - above	7/80	14.00	joined in foregoing lease	HBF
Lawrence Ray Andrus c/o Stenson Austin Andrus - above 505-392-7237	7/80	14.00	joined in foregoing lease	HBF
College of the Southwest Lovington Highway Hobbs, New Mexico 88240	1/8	20.00	Harvey E. Yates Co.	5/11/84 3/16 Royalty
Martin Budish 13862 East Linvale Place Aurora, Colorado 80014	1/128	1.25	Harvey E. Yates Co.	7/14/87 3/16 Royalty
New Mexico Royalty Trust M. H. McGrail, Trustee P. O. Box 604 Hobbs, New Mexico 88240	1/16	10.00		Open
Rebel Oil Co. c/o Ellie Spear 603 Seco Drive Hobbs, New Mexico 88240	1/256	.62		Open
Hy. B. Finkenhoefer 233 North 7th Street Quincy, Ill.	1/256	.63		Open

*number
 in state to 346 Arizona
 (Bill) in
 Hagerman
 for Alamos
 credit 5/32*

*1st National
 9-9
 W. Bonet App. Lease
 not this time*

*No phone picture
 505-396-2829
 505-396-2829
 505-396-2829*

L. E. Oppermann
707 W. Indiana, Suite B
Midland, TX 79701

**RETURN RECEIPT
REQUESTED**

**CERTIFIED
MAIL**

P 167 621 787

RETURNED TO SENDER
Unclaimed
Addressed
Insufficient address
No such street number
No such office in city
Do not remove from envelope

Ms. Clarice L. Van Eman
Bellingham, Washington 98225

MIDLAND, TX
8 MAY
1985

MIDLAND, TX
MAY 22 1985
11:07 AM
1310615

L. E. Oppermann
707 W. Indiana, Suite 8
Midland, TX 79701

RETURN RECEIPT
REQUESTED

ADDRESS UNKNOWN

CERTIFIED
MAIL

P 157 521 788

Mr. Alfred W. Letzerich
% Monarch Investment Co.
Roswell, TX 75071

MIDLAND, TEXAS
MAY 1989
P.M.
1989
TX
374613

1985 FINAL AFE COST ESTIMATE

COST ESTIMATE - DRILLING & COMPLETION EXHIBIT "D"

AHEP-2135-J

EXPLORATORY DEVELOPMENT

BUDGETED
 YES NO

WELL NAME AND NO.	FIELD	AREA/DISTRICT	LOCATION	PROPOSED DEPTH	WORKING INT.
Andrus #1	Twin Lake Pros.	Lea Co., N.M.	Sec. 9, T16S-R37E	12,000'	1.000000
CODE	ITEM AND DESCRIPTION			DRY HOLE	COMPLETION
001	Footage, Drilling Costs Per Foot \$20.00/Ft. No. of Days 35			240,000	240,000
002	Daywork \$4700/Day W/Fuel No. of Days 5			23,500	23,500
003	Transport Rotary Tools, Rig Up, Rig Down				
004	Location, Roads, Canals, Structures, Damages			40,000	40,000
005	Fuel for Rig, Boats, Etc.				
006	Water and Water Hauling			25,000	25,000
007	Bits, Reamers, Stabilizers, Mills				
008	Mud and Chemicals			30,000	30,000
009	Rental Mud Equipment			10,000	10,000
010	Mud Logging and Pressure Detection			10,800	10,800
011	Gas or Air Drilling Tools				
012	Directional Drilling				
013	Deviation Surveys				
014	Coring Services				
015	Formation Testing			15,000	15,000
016	Well Logs and Surveys			55,900	55,900
017	Special Rentals, Materials, Services			10,000	10,000
018	Basic Rental Tools			5,000	5,000
019	Fishing Tools and Services				
020	Primary Cementing			32,200	32,200
021	Squeeze and Plug Cementing				
022	Tubular Testing and Inspection			5,000	5,000
023	Support Transportation			2,500	2,500
024	Subsistence, Camp and Crew Travel			2,500	2,500
025	Material Lost in Hole				
026	Communications			2,000	2,000
027	Direct Supervision			15,800	15,800
028	Geologic Supervision			5,000	5,000
029	General Overhead				
035	Miscellaneous			2,000	2,000
037	Incentive Drilling Credit				
A TOTAL INTANGIBLE DRILLING COSTS				532,000	532,000
020	Conduct. _____ ft. of _____ @ _____ /ft.				
020	500	ft. of	13-3/8"	@ \$ 24.80 /ft.	12,400 12,400
020	5,200	ft. of	8-5/8"	@ 14.90 /ft.	77,500 77,500
020	Liner _____ ft. of _____ @ _____ /ft.				
020	Liner _____ ft. of _____ @ _____ /ft.				
024	Wellhead Equipment			10,000	10,000
046	Miscellaneous Costs			1,000	1,000
B TOTAL TANGIBLE DRILLING COSTS				100,900	100,900
C TOTAL DRILLING COSTS				632,900	632,900
D AHC NET 1.000000 W/DRILLING COSTS				632,900	632,900
050	Daywork - Completion or P. & A. \$4700/Day & \$2500/Day No. of Days 2 + 20			9,400	59,400
051	Mud and Chemicals				5,000
052	Bits and Mills				1,000
053	Logging and Perforating				27,000
054	Primary Cementing				28,500
055	Plug and Squeeze Cementing				
056	Plug and Salvage			10,000	
057	Fishing Tools and Services				
058	Special Rentals, Materials, Services			1,000	30,000
059	Tubular Testing and Inspection				15,000
060	Support Transportation			500	2,000
061	Well Stimulation				15,000
062	Well Testing				5,000
063	Subsistence, Camp and Crew Travel				500
064	Communications				500
065	Direct Supervision			1,100	6,400
066	General Overhead				
067	Miscellaneous			500	2,000
E TOTAL INTANGIBLE COMPLETION OR P. & A. COSTS				22,500	197,300
020	12,000	ft. of	5-1/2"	@ \$ 13.50 /ft.	
020	Liner _____ ft. of _____ @ _____ /ft.				
021	12,000	ft. of	2-3/8"	@ 3.40 /ft.	40,800
021	Tubing _____ ft. of _____ @ _____ /ft.				
046	Down-Hole Equipment				5,000
024	Wellhead Equipment				20,000
046	Miscellaneous Costs				2,000
F TOTAL TANGIBLE COMPLETION OR P. & A. COSTS				-0-	229,800
G TOTAL COMPLETION OR P. & A. COSTS				22,500	427,100
H AHC NET 1.000000 W/COMPLETION OR P. & A. COSTS				22,500	427,100
I TOTAL DRILLING, COMPLETION OR P. & A. COSTS				655,400	1,060,000
J AHC NET 1.000000 W/DRILLING, COMPLETION OR P. & A. COSTS				655,400	1,060,000

APPROVED BY *Michael D. [Signature]* DATE *4-11-85* REG. SER. MGR. - DATE

VICE PRESIDENT - DATE

EXEC. VICE PRESIDENT - DATE

WELL NAME AND NO.		AFE NO.	DEPTH	DAYS		DATE
STATE #9-1		4E54B	12,050'	DRLG. 44	COMP. 3	01/17/85
CODE	ITEM AND DESCRIPTION	COST				
		AFE	COMMITTED	DIFFERENCE		
001	Footage, Drilling Costs Per Foot \$20.00/ft	238,940	247,150	8,210		
002	Daywork \$4,650/day	40,058	41,910	1,852		
003	Transport Rotary Tools, Rig Up, Rig Down	-	-	-		
004	Location, Roads, Canals, Structures, Damages	32,530	31,830	(700)		
005	Fuel for Rig, Boats, Etc.	-	-	-		
006	Water and Water Hauling	21,672	22,450	778		
007	Bits, Reamers, Stabilizers, Mills	-	-	-		
008	Mud and Chemicals	-32,029	32,830	801		
009	Rental Mud Equipment	6,355	6,930	575		
010	Mud Logging and Pressure Detection	10,440	11,030	590		
011	Gas or Air Drilling Tools	-	-	-		
012	Directional Drilling	-	-	-		
013	Deviation Surveys	-	-	-		
014	Coring Services	15,484	17,060	1,576		
015	Formation Testing	6,478	7,000	522		
016	Well Logs and Surveys	57,206	65,540	8,334		
017	Special Rentals, Materials, Services	1,441	1,991	550		
018	Basic Rental Tools	2,334	2,410	76		
019	Fishing Tools and Services	-	-	-		
020	Primary Cementing	29,508	24,210	(5,298)		
021	Squeeze and Plug Cementing	-	-	-		
022	Tubular Testing and Inspection	2,605	9,660	7,055		
023	Support Transportation	1,856	2,030	174		
024	Subsistence, Camp and Crew Travel	2,472	2,320	(152)		
025	Material Lost in Hole	-	-	-		
026	Communications	1,700	6,110	4,410		
027	Direct Supervision	15,500	14,100	(1,400)		
028	Geologic Supervision	3,000	3,000	- 0 -		
029	General Overhead	-	-	-		
035	Miscellaneous	1,029	1,029	- 0 -		
037	Incentive Drilling Costs	-	-	-		
A TOTAL INTANGIBLE DRILLING COSTS		522,637	550,590	27,953		
TANG. DRLG. COSTS - G.L. 2301	020 Conduct. _____ ft. of _____ @ _____ /ft.					
	020 Surface 490 ft. of 13 3/8" @ 22.41 /ft.	11,630	10,980	(650)		
	020 Interm. 5,200 ft. of 8 5/8" @ 11.82 /ft.	79,178	61,460	(17,718)		
	020 Liner _____ ft. of _____ @ _____ /ft.					
	020 Liner _____ ft. of _____ @ _____ /ft.					
	024 Wellhead Equipment	7,492	8,000	508		
	046 Miscellaneous Costs		2,500	2,500		
B TOTAL TANGIBLE DRILLING COSTS		98,300	82,940	(15,360)		
C TOTAL DRILLING COSTS		620,937	633,530	12,593		
D AHC NET 70 % DRILLING COSTS		434,656	443,471	8,815		
TANG. COMPL. OR P. & A. - G.L. 2301	050 Daywork - Completion or P. & A.	60,400	12,800	(47,600)		
	051 Mud and Chemicals	5,000		(5,000)		
	052 Bits and Mills	5,000		(5,000)		
	053 Logging and Perforating	24,200		(24,200)		
	054 Primary Cementing	22,455	19,100	(3,355)		
	055 Plug and Squeeze Cementing	10,000		(10,000)		
	056 Plug and Salvage					
	057 Fishing Tools and Services					
	058 Special Rentals, Materials, Services	30,000	10,430	(19,570)		
	059 Tubular Testing and Inspection	10,000	12,170	2,170		
	060 Support Transportation	2,000		(2,000)		
	061 Well Stimulation	10,000		(10,000)		
	062 Well Testing	5,000		(5,000)		
	063 Subsistence, Camp and Crew Travel	510	510	- 0 -		
064 Communications	500	120	(380)			
065 Direct Supervision	9,000	900	(8,100)			
066 General Overhead						
067 Miscellaneous	2,000	300	(1,700)			
E TOTAL INTANGIBLE COMPLETION OR P. & A. COSTS		196,065	56,550	(139,515)		
TANG. COMPL. OR P. & A. - G.L. 2301	020 Prod. 12,050 ft. of 5 1/2" @ 9.65 /ft.	161,831	116,300	(45,531)		
	020 Liner _____ ft. of _____ @ _____ /ft.					
	021 Tubing _____ ft. of 2 3/8" @ _____ /ft.	54,500		(54,500)		
	021 Tubing _____ ft. of _____ @ _____ /ft.					
	046 Down-Hole Equipment	2,500		(2,500)		
	024 Wellhead Equipment	15,000	4,000	(11,000)		
	046 Miscellaneous Costs	2,000		(2,000)		
F TOTAL TANGIBLE COMPLETION OR P. & A. COSTS		235,831	120,300	(115,531)		
G TOTAL COMPLETION OR P. & A. COSTS		431,896	176,850	(255,046)		
H AHC NET 70 % COMPLETION OR P. & A. COSTS		302,327	123,795	(178,532)		
I TOTAL DRILLING, COMPLETION OR P. & A. COSTS		1,052,833	810,380	(242,453)		
J AHC NET 70 % DRLG. COMPL. OR P. & A. COSTS		736,983	567,266	(169,717)		

DRILLING SUPERVISOR
E. Dishman by S. Gaschler

EXHIBIT "E"

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

MODEL FORM OPERATING AGREEMENT

DEFOUR EXAMINER
OIL CONSERVATION DIVISION
BRANCH - E
OPERATING AGREEMENT 8650
CASE NO.
DATED

JULY 7 , 19 85 ,

OPERATOR AMERADA HESS CORPORATION

CONTRACT AREA TOWNSHIP 16 SOUTH, RANGE 37 EAST
SECTION 9: SOUTHWEST QUARTER (SW/4)

COUNTY ~~OR PARISH~~ OF LEA STATE OF NEW MEXICO

TABLE OF CONTENTS

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

OPERATING AGREEMENT

THIS AGREEMENT, entered into by and between AMERADA HESS CORPORATION

hereinafter designated and referred to as "Operator", and the signatory party or parties other than Operator, sometimes hereinafter referred to individually herein as "Non-Operator", and collectively as "Non-Operators".

WITNESSETH:

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

NOW, THEREFORE, it is agreed as follows:

ARTICLE I.
DEFINITIONS

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

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

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

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

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

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

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

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

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

I. SEE BELOW.

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

ARTICLE II.
EXHIBITS

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

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

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

1. THE TERM "IMPENETRABLES" SHALL MEAN FORMATIONS OR CONDITIONS, MECHANICAL FAILURES, LOST CIRCULATION, JUNKED HOLE OR OTHER SUCH CONDITIONS WHICH CANNOT BE PENETRATED OR WHICH WOULD RENDER FURTHER DRILLING OPERATIONS BY A PRUDENT OPERATOR IMPRACTICABLE, UNREASONABLE OR EXTRAORDINARILY EXPENSIVE BY THE USE OF CUSTOMARY DRILLING METHODS OR TECHNIQUES NORMALLY UTILIZED BY OPERATORS IN THE GENERAL AREA WHERE THE WELL IS LOCATED

ARTICLE III.
INTERESTS OF PARTIES

A. Oil and Gas Interests:

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

B. Interests of Parties in Costs and Production:

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

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

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

C. Excess Royalties, Overriding Royalties and Other Payments:

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

D. Subsequently Created Interests:

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

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

ARTICLE IV.
TITLES

A. Title Examination:

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

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

ARTICLE IV
continued

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

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

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

B. Loss of Title:

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

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

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

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

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

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

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

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

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

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

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

OF TITLE

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

ARTICLE V.
OPERATOR

A. Designation and Responsibilities of Operator:

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

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

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

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

C. Employees:

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

D. Drilling Contracts:

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

ARTICLE VI.
DRILLING AND DEVELOPMENT

A. Initial Well:

On or before the 1ST day of SEPTEMBER, 19 85, Operator shall commence the drilling of a well for oil and gas at the following location:

TOWNSHIP 16 SOUTH, RANGE 37 EAST
SECTION 9 NW/4SW/4

and shall thereafter continue the drilling of the well with due diligence to **A DEPTH SUFFICIENT TO ADEQUATELY TEST THE STRAWN FORMATION OR TWELVE THOUSAND FEET (12,000'), WHICHEVER IS THE LESSER,**

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

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

ARTICLE VI
continued

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

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6 **B. Subsequent Operations:**

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

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

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

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

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

64 ***RECOMPLETE**

65 ****PROVIDED, HOWEVER, SUCH COMMENCEMENT MAY BE EXTENDED UPON WRITTEN NOTICE OF SAME**
66 **BY OPERATOR TO THE OTHER PARTIES FOR A PERIOD OF UP TO THIRTY (30) ADDITIONAL DAYS**
67 **IF, IN THE SOLE OPINION OF OPERATOR, SUCH ADDITIONAL TIME IS REASONABLY NECESSARY**
68 **TO OBTAIN PERMITS FROM GOVERNMENTAL AUTHORITIES, SURFACE RIGHTS (INCLUDING RIGHT-**
69 **OF-WAY) OR APPROPRIATE DRILLING EQUIPMENT OR TO COMPLETE TITLE EXAMINATION OR CUR-**
70 **ATIVE MATTER REQUIRED FOR TITLE APPROVAL OR ACCEPTANCE.**

ARTICLE VI

continued

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

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

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

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

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

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

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

ARTICLE VI
continued

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

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

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

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

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

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

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

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

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

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

ARTICLE VI
continued

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

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

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

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

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

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

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31 **E. Abandonment of Wells:**

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

41
42 2. Abandonment of Wells that have Produced: Except for any well in which a Non-Consent operation has been conducted
43 hereunder for which the Consenting Parties have not been fully reimbursed as herein provided, any well which has been completed as a
44 producer shall not be plugged and abandoned without the consent of all parties. If all parties consent to such abandonment, the well shall
45 be plugged and abandoned in accordance with applicable regulations and at the cost, risk and expense of all the parties hereto. If, within
46 thirty (30) days after receipt of notice of the proposed abandonment of any well, all parties do not agree to the abandonment of such well,
47 those wishing to continue its operation from the interval(s) of the formation(s) then open to production shall tender to each of the other
48 parties its proportionate share of the value of the well's salvable material and equipment, determined in accordance with the provisions of
49 Exhibit "C", less the estimated cost of salvaging and the estimated cost of plugging and abandoning. Each abandoning party shall assign
50 the non-abandoning parties, without warranty, express or implied, as to title or as to quantity, or fitness for use of the equipment and
51 material, all of its interest in the well and related equipment, together with its interest in the leasehold estate as to, but only as to, the in-
52 terval or intervals of the formation or formations then open to production. If the interest of the abandoning party is or includes an oil and
53 gas interest, such party shall execute and deliver to the non-abandoning party or parties an oil and gas lease, limited to the interval or in-
54 tervals of the formation or formations then open to production, for a term of one (1) year and so long thereafter as oil and/or gas is pro-
55 duced from the interval or intervals of the formation or formations covered thereby, such lease to be on the form attached as Exhibit
56

57 ***PARTICIPATING IN THE DRILLING OF SUCH WELL.**

58 ****FAILURE TO RESPOND WITHIN A THIRTY (30) DAY PERIOD SHALL BE DEEMED TO BE AN**
59 **ELECTION TO PARTICIPATE IN THE PROPOSED ABANDONMENT.**

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ARTICLE VI
continued

1 "B". The assignments or leases so limited shall encompass the "drilling unit" upon which the well is located. The payments by, and the
2 assignments or leases to, the assignees shall be in a ratio based upon the relationship of their respective percentage of participation in the
3 Contract Area to the aggregate of the percentages of participation in the Contract Area of all assignees. There shall be no readjustment of
4 interests in the remaining portion of the Contract Area.
5

6 Thereafter, abandoning parties shall have no further responsibility, liability, or interest in the operation of or production from
7 the well in the interval or intervals then open other than the royalties retained in any lease made under the terms of this Article. Upon re-
8 quest, Operator shall continue to operate the assigned well for the account of the non-abandoning parties at the rates and charges con-
9 templated by this agreement, plus any additional cost and charges which may arise as the result of the separate ownership of the assigned
10 well. Upon proposed abandonment of the producing interval(s) assigned or leased, the assignor or lessor shall then have the option to
11 repurchase its prior interest in the well (using the same valuation formula) and participate in further operations therein subject to the pro-
12 visions hereof.
13

14 3. Abandonment of Non-Consent Operations: The provisions of Article VI.E.1. or VI.E.2. above shall be applicable as between
15 Consenting Parties in the event of the proposed abandonment of any well excepted from said Articles: provided, however, no well shall be
16 permanently plugged and abandoned unless and until all parties having the right to conduct further operations therein have been notified
17 of the proposed abandonment and afforded the opportunity to elect to take over the well in accordance with the provisions of this Article
18 VI.E.
19

ARTICLE VII.
EXPENDITURES AND LIABILITY OF PARTIES

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21
22
23 **A. Liability of Parties:**
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25 The liability of the parties shall be several, not joint or collective. Each party shall be responsible only for its obligations, and
26 shall be liable only for its proportionate share of the costs of developing and operating the Contract Area. Accordingly, the liens granted
27 among the parties in Article VII.B. are given to secure only the debts of each severally. It is not the intention of the parties to create, nor
28 shall this agreement be construed as creating, a mining or other partnership or association, or to render the parties liable as partners.
29

30 **B. Liens and Payment Defaults:**
31

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

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

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

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

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

64 **D. Limitation of Expenditures:**
65

66 1. Drill or Deepen: Without the consent of all parties, no well shall be drilled or deepened, except any well drilled or deepened
67 pursuant to the provisions of Article VI.B.2. of this agreement. Consent to the drilling or deepening shall include:
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69
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ARTICLE VII
continued

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

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

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

3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated to require an expenditure in excess of FIFTY THOUSAND Dollars (\$ 50,000.00) except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other parties. If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting an information copy thereof for any single project costing in excess of TWENTY-FIVE THOUSAND Dollars (\$ 25,000.00) but less than the amount first set forth above in this paragraph.

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

Rentals, shut-in well payments and minimum royalties which may be required under the terms of any lease shall be paid by the party or parties who subjected such lease to this agreement at its or their expense. In the event two or more parties own and have contributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on behalf of all such parties. Any party may request, and shall be entitled to receive, proper evidence of all such payments. In the event of failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such payment is required to continue the lease in force, any loss which results from such non-payment shall be borne in accordance with the provisions of Article IV.B.2- 3

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

F. Taxes:

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

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

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

*AN ELECTION NOT TO PARTICIPATE IN THE COST TO COMPLETE A WELL UNDER THIS ARTICLE VII, SHALL ONLY BE DEEMED AN ELECTION NOT TO PARTICIPATE IN COMPLETING A WELL TO THE ZONE OR FORMATION SPECIFIED IN THE NOTICE TO BE GIVEN BY OPERATOR UNDER THIS OPTION NO. 2, ARTICLE VII.(D)(1).

ARTICLE VII
continued

G. Insurance:

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

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

ARTICLE VIII.
ACQUISITION, MAINTENANCE OR TRANSFER OF INTEREST

A. Surrender of Leases:

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

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

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

B. Renewal or Extension of Leases:

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

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

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

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

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

C. Acreage or Cash Contributions:

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

ARTICLE VIII
continued

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

5
6 If any party contracts for any consideration relating to disposition of such party's share of substances produced hereunder, such
7 consideration shall not be deemed a contribution as contemplated in this Article VIII.C.

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

10
11 For the purpose of maintaining uniformity of ownership in the oil and gas leasehold interests covered by this agreement, no
12 party shall sell, encumber, transfer or make other disposition of its interest in the leases embraced within the Contract Area and in wells,
13 equipment and production unless such disposition covers either:

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

16
17 Every such sale, encumbrance, transfer or other disposition made by any party shall be made expressly subject to this agreement
18 and shall be made without prejudice to the right of the other parties.

19
20 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
21 require such co-owners to appoint a single trustee or agent with full authority to receive notices, approve expenditures, receive billings for
22 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
23 party's interest within the scope of the operations embraced in this agreement; however, all such co-owners shall have the right to enter
24 into and execute all contracts or agreements for the disposition of their respective shares of the oil and gas produced from the Contract
25 Area and they shall have the right to receive, separately, payment of the sale proceeds thereof.

26
27
28
29 **E. Waiver of Rights to Partition:**

30
31 If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an
32 undivided interest in the Contract Area waives any and all rights it may have to partition and have set aside to it in severalty its undivided
33 interest therein.

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

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

46
47 **ARTICLE IX.**
48 **INTERNAL REVENUE CODE ELECTION**
49

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

**ARTICLE X.
CLAIMS AND LAWSUITS**

Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure does not exceed TWENTY-FIVE THOUSAND ----- Dollars (\$ 25,000 -----) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is sued on account of any matter arising from operations hereunder over which such individual has no control because of the rights given Operator by this agreement, such party shall immediately notify all other parties, and the claim or suit shall be treated as any other claim or suit involving operations hereunder.

**ARTICLE XI.
FORCE MAJEURE**

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

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

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

**ARTICLE XII.
NOTICES**

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

**ARTICLE XIII.
TERM OF AGREEMENT**

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

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

Option No. 2: In the event the well described in Article VI.A., or any subsequent well drilled under any provision of this agreement, results in production of oil and/or gas in paying quantities, this agreement shall continue in force so long as any such well or wells produce, or are capable of production, and for an additional period of 120 days from cessation of all production; provided, however, if, prior to the expiration of such additional period, one or more of the parties hereto are engaged in drilling, reworking, deepening, plugging back, testing or attempting to complete a well or wells hereunder, this agreement shall continue in force until such operations have been completed and if production results therefrom, this agreement shall continue in force as provided herein. In the event the well described in Article VI.A., or any subsequent well drilled hereunder, results in a dry hole, and no other well is producing, or capable of producing oil and/or gas from the Contract Area, this agreement shall terminate unless drilling, deepening, plugging back or reworking operations are commenced within 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 Contract Area is located, to the valid rules, regulations, and orders of any duly constituted regulatory body of said state; and to all other applicable federal, state, and local laws, ordinances, rules, regulations, and orders.

B. Governing Law:

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

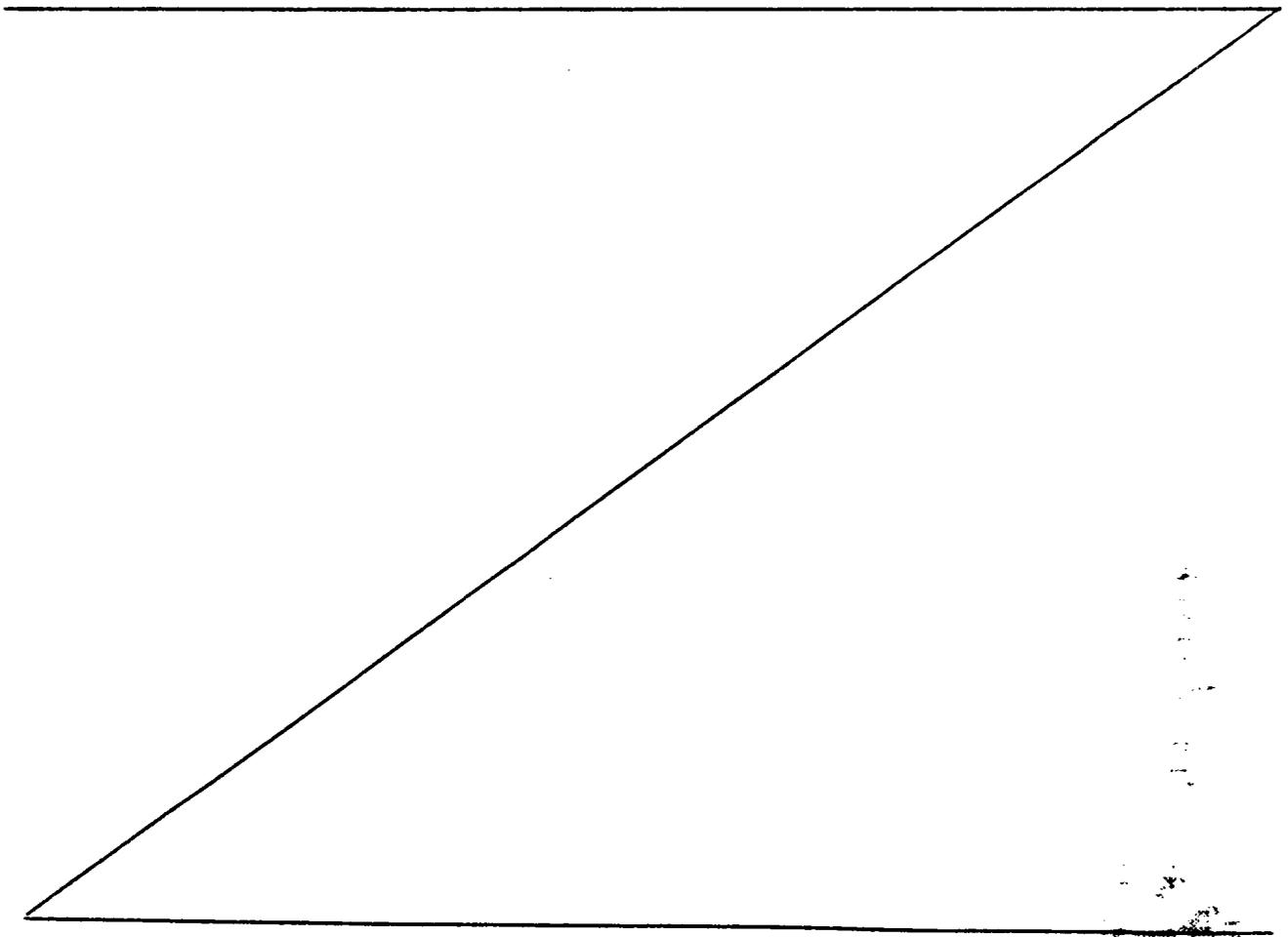
C. Regulatory Agencies:

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

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

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

ARTICLE XV.
OTHER PROVISIONS
SEE PAGES 14A, 14B



A. Substitute or Replacement Wells

If the Initial Well drilled in the Contract Area encounters Impenetrables, the Operator shall immediately consult with the Non-Operator regarding the plugging and abandonment of such well. If such well is plugged and abandoned, then no later than thirty (30) days thereafter, any Party may propose the drilling of a substitute or replacement well. If a Party does not elect, within such thirty (30) day period, to participate in the costs to drill such substitute or replacement well, then such substitute or replacement well shall be drilled under the terms of the "nonconsent" provisions of Article VI.B.2 of this Agreement.

B. Other Agreements

and

As between Amerada Hess Corporation/Britoil Ventures, Inc.
the provisions of those certain Agreements dated February 1, 1985 may be applicable to certain rights and obligations arising under this Agreement.

C. Change of Operator

1. The provisions of Article V.B. relating to action by the affirmative vote of two (2) or more Non-Operators owning a majority interest based on ownership shall be deemed to mean the vote of a single Non-Operator if there is only one (1) Non-Operator.

2. Operator may be removed at any time without cause by the affirmative vote of one (1) or more parties owning in the aggregate eight-five percent (85%) or greater of the working interest in the Contact Area.

D. Bankruptcy

If, following the granting of relief under the Bankruptcy Code to any party as debtor thereunder, this Agreement should be held to be an executory contract within the meaning of 11 U.S.C. Section 365, then the Operator, or (if the Operator is the debtor in bankruptcy) any other party hereto, shall be entitled to receive a determination by debtor, or any trustee for debtor, within thirty (30) days from the date an order for relief is entered under the Bankruptcy Code, of such debtor or trustee's rejection or assumption of this Operating Agreement. In the event of an assumption, Operator or said other party shall be entitled to receive adequate assurances from such debtor or trustee as to the future performance of debtor's obligation hereunder and the protection of the interest of all other parties hereto.

E. Obligatory Well Provisions

A well or other operation commenced within forty-five days (45) prior to the date any lease committed hereto (or portion thereof) would expire in the absence of such operation and a well or other operation which must be drilled or conducted to "earn" or maintain a lease committed hereto or to earn certain rights under any acreage contribution agreement shall constitute an "Obligatory Operation." Notwithstanding the other provisions hereof, and particularly Article VI.B., if the proposed operation is an Obligatory Operation, a party not participating in such operation shall assign to the parties participating in such operation all of its interest in the leases which would be lost, or not earned, if such operation is not conducted. If less than all of a lease would be lost, then such assignment to be limited to the areas, interests, depths or other portions which would be thus lost. Such assignment shall be made upon the commencement of operations for such well and shall be free and clear of all "subsequently created interests" as defined in Article III.D., but otherwise without warranty of title, either express or implied. The provisions of Article VI.B., shall, however continue to apply to the interests of the parties in the well drilled as an Obligatory Operation to the extent such parties' interests in the Contract Area are not derived from leases or portions of leases which would be lost if such Obligatory Operation were not conducted. The interests of the parties as set out in Exhibit A shall be adjusted to reflect any change in interests in the Contract Area resulting from the assignments required by this paragraph.

F. Gaseous Hydrocarbons

Non-Operators hereby authorize Operator to file and prosecute all applications for determination for well pricing qualification under the Natural Gas Policy Act of 1978 and to make interim collection filings on behalf of Non-Operators. Operator may employ counsel and technical experts to the extent Operator in its sole discretion considers the

same appropriate for such filings and seeking favorable resolutions thereof. Costs incurred by Operator in preparing the application for determination and interim collection documents as well as the cost of prosecuting the application shall be charged to the Joint Account.

G. Liquid Hydrocarbons

Non-Operators hereby authorize Operator to file with the purchaser of crude oil or other liquid hydrocarbons or with any other person required by law, any statement or certification required by the Crude Oil Windfall Profit Tax Act, the Emergency Petroleum Allocation Act of 1973, the Energy Policy and Conservation Act or by any rule, regulation or order issued thereunder or by any other law, rule, or regulation relating to the pricing of crude oil and other liquid hydrocarbons or the taxation thereof. To the extent that Operator may by law be authorized to do so, Non-Operators hereby authorize Operator to agree with any purchaser to relieve Operator (in whole or in part as Operator may determine) of any filing or certification requirements. In making any filing or certification with any purchaser of crude oil or other liquid hydrocarbons, each Non-Operator shall be solely responsible for furnishing to Operator or such purchaser, or any other person required by law, any exemption certificate, independent producer certificate or any other evidence required by law to entitle Non-Operator to a higher price for the sale of his production or for a lower rate of windfall profit or other excise tax thereon. Upon any Non-Operator's failure to furnish such certificate, Operator shall certify to such purchaser, for such Non-Operator's interest, the lower price and/or higher rate of tax. Operator shall have no duty to seek any refunds on behalf of any Non-Operator for any overpayment of any windfall profit or excise tax to which any Non-Operator may be entitled to receive; however, if requested by a Non-Operator, and at no expense to Operator, Operator shall join in any such request or application to the extent Operator's joinder is required by law or regulation. The Operator shall keep records of all documents, material and information necessary for the determination of windfall profit taxes and shall provide such records to the parties as are necessary to enable each party to timely determine such party's windfall profit tax liability and to prepare and file any windfall profit tax return, claims for credit, or refund.

ARTICLE XVI.
MISCELLANEOUS

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

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

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

OPERATOR

ATTEST :

AMERADA HESS CORPORATION

R. L. KUBIK, ASSISTANT SECRETARY

D. G. STEVENSON, VICE PRESIDENT

NON-OPERATORS

BRITTOIL VENTURES, INC.

BY : _____

HARVEY E. YATES CO.

BY : _____

J. R. ROWAN & ASSOCIATES

BY : _____



EXHIBIT "A"

Attached to and made a part of that certain
Operating Agreement dated _____
by and (among) AMERADA HESS
CORPORATION and BRITTOIL VENTURES, INC.,
HARVEY E. YATES CO., AND J. R. ROWAN & ASSOCIATES

(1) Contract Area

(a) Lands Subject to Agreement:

The Contract Area shall include and be comprised of all hydrocarbon substances in all formations and depths set forth under Subparagraph (b) below under the following lands situated in LEA County, NEW MEXICO.

TOWNSHIP 16 SOUTH, RANGE 37 EAST
SECTION 9: SOUTHWEST QUARTER (SW/4)

(b) Hydrocarbon Substances, Formations and Depths covered by Agreement:

ALL

(c) Drilling Unit:

The drilling unit for the initial test well described in ARTICLE VI of the Agreement shall be:

TOWNSHIP 16 SOUTH, RANGE 37 EAST
SECTION 9: N/2SW/4

(2) Percentage of Fractional Interest of the Parties and the Addresses to which Notices shall be sent:

Party	Interest
AMERADA HESS CORPORATION 1625 BROADWAY, SUITE 2200 DENVER, COLORADO 80202 ATTENTION: CHARLES V. HERRON	.486719*
BRITTOIL VENTURES INC. 1300 WEST BELT SOUTH, SUITE 310 HOUSTON, TEXAS 77242-2833 ATTENTION: JAMES F. ROBERTSON	.208593*
BRITTOIL PLC 150 ST. VINCENT STREET GLASGOW, SCOTLAND G25LJ ATTENTION: INTERNATIONAL DIVISION	
HARVEY E. YATES CO. POST OFFICE BOX 1933 ROSWELL, NEW MEXICO 88201 ATTENTION: ROBERT H. BELL	.289063
J.R. ROWAN & ASSOCIATES PETROLEUM BUILDING, SUITE 715 MIDLAND, TEXAS 79701 ATTENTION: J.R. ROUSAN	.015625

* SUBJECT TO CHANGE PENDING OUTCOME OF AMERADA HESS CORPORATION'S APPLICATION FOR COMPULSORY POOLING, SET FOR HEARING BEFORE THE STATE OF NEW MEXICO OIL CONSERVATION DIVISION, JULY 17, 1985

THERE IS NO EXHIBIT "B" TO THE OPERATING AGREEMENT

EXHIBIT " c "

Attached to and made a part of THAT CERTAIN OPERATING AGREEMENT
 DATED JULY 7, 1985 BY AND ~~(BETWEEN)~~ (AMONG)
AMERADA HESS CORPORATION, BRITTOIL VENTURES, INC., HARVEY E.
YATES CO., AND J. R. ROWAN & ASSOCIATES.

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.

*ONE PERCENT (1%) OVER THE PRIME
LENDING RATE CHARGED BY CHASE
MANHATTAN BANK OF NEW YORK, NEW YORK

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 shall be Operator's actual cost not to exceed twenty three percent (23%), or the percent most recently recommended by the Council of Petroleum Accountants Societies.

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.

\$400

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:

- () 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 () 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 \$5,200.00
Producing Well Rate \$520.00

(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, re-drilling, 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

TWENTY-FIVE CENTS (25¢)

- (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 "D"

Attached to and made a part of an Operating Agreement dated _____
JULY 7, 19 85, BY AND ~~(BETWEEN)~~ (AMONG)
AMERADA HESS CORPORATION, BRITTOIL VENTURES, INC., HARVEY E.
YATES CO., AND J.R. ROWAN & ASSOCIATES.

Insurance to be carried:

- (a) Workmen's Compensation — Statutory limit.
- (b) Employers' Liability Insurance with limits of not less than \$100,000.00.
- (c) Comprehensive General Liability Insurance, including Automobile, with limits not less than a combined single limit of ~~\$250,000.00~~ each occurrence for Bodily Injury and Property Damage. TO INCLUDE LEGAL EXPENSES FOR ALL OWNED, NON-OWNED AND HIRED VEHICLES. \$500,000.00
- (D) WHERE OPERATIONS INVOLVE THE USE OF AIRCRAFT, AIRCRAFT BODILY INJURY, PROPERTY DAMAGE AND PASSENGER LIABILITY INSURANCE COVERING FIXED WING OR ROTARY WING AIRCRAFT WITH A LIMIT OF \$500,000.00 COMBINED SINGLE LIMIT PER OCCURRENCE.

OPERATOR WILL NOT PROVIDE CONTROL OF WELL COVERAGE OR OTHER PROPERTY COVERAGES FOR THE BENEFIT OF THE JOINT ACCOUNT. EACH PARTY WILL BE SOLELY RESPONSIBLE FOR ITS PROPORTIONATE SHARE OF ANY LOSS IN EXCESS OF THE ABOVE LIMITS AND ANY LOSS NOT PROVIDED FOR BY THE ABOVE INSURANCE COVERAGES.

EXHIBIT "E"
GAS BALANCING AGREEMENT

Attached to and made a part of that certain Operating Agreement dated JULY 7, 1985,

by and **AMONG** AMERADA HESS CORPORATION, BRITTOIL VENTURES, INC., HARVEY E. YATES CO.,
AND J.R. ROWAN & ASSOCIATES

1. It is the intent and aim of this Agreement that during the productive life of the oil and gas leases subject to the Operating Agreement the parties shall have had the opportunity to share in the total cumulative production from each well in proportion to their interests as set out in Exhibit "A". This agreement is intended to promote that purpose and to protect each party against other parties receiving more than their proportionate share of the total cumulative production from each well. Therefore, each party agrees to proceed in a prudent manner to secure a market and take its share of gas on a current basis. Furthermore, this Agreement shall apply to each well on a separate well-by-well basis and in the event any well is producing or is capable of producing from more than one reservoir or formation, for the purposes of this Agreement said well shall be considered a separate well as to each such reservoir or formation.

2. The parties recognize that pipeline requirements of respective purchasers or other takers of gas produced from each well will vary from time to time and may not be consistent except over short periods of time. It is the intent of the parties hereto that allocation of liquid substances shall not be affected by the respective pipeline requirements for gas. Accordingly, the total of well production shall be separated into liquids and gas. Liquids shall be all substances in liquid form when produced or when separated by primary separation facilities. Gas shall be all substances remaining in gaseous form after the substances in liquid form have been separated by lease separation facilities, and, if applicable, after solids such as sulphur and other substances have been removed to render the gas marketable.

3. As used herein, an "over-produced party" is one who has sold a greater volume, and an "under-produced party" is one who has sold a lesser volume, of gas at any given time than a volume determined by multiplying the total cumulative volume of gas produced and sold from a well by such party's percentage interest in the well as set out in Exhibit "A" of the Operating Agreement.

4. (a) All gas produced from a well from the date of first production shall be produced and sold by those parties having a market for gas from time to time. The gas production shall be owned by the parties producing and selling gas in the proportions that the interest of each bears to the total interest of all such selling parties. If more than one party is producing and selling gas, then the parties so producing and selling gas shall be entitled to produce and sell gas as provided in paragraph 4 (b) hereof.

(b) Each under-produced party shall, upon commencing the sale of gas, have the right to take a greater percentage of the current production than such under-produced party's percentage of interest as set forth in Exhibit "A", subject to the following limitations:

(1) Any over-produced party or parties will, upon demand from any under-produced party or parties, reduce their respective takes from the well's production in the proportion that such individual over-produced party's interest in the over-production bears to the total volume of over-production, but in no event will any over-produced party be required to reduce the volume of gas which such party is entitled to take from the well during any calendar month to less than fifty (50%) percent of such over-produced party's interest in the current production. Provided, if at any time, more than one under-produced party is selling more than its proportion of the current production in order to balance its gas production account, by taking a part of the current production of the over-produced parties, then such under-produced party shall be entitled to have delivered that part of the current production of the over-produced parties which has been assigned to the under-produced parties, in the ratio that the under-production of such under-produced party bears to the total under-production of all under-produced parties.

(2) Each well owner's gas production account is in balance from time to time when such party has sold the same percentage of the total accumulative production as such party's percentage ownership in the well.

(c) Only gas actually produced and sold by a party shall be owned by it and charged against its share of the total gas production to be recovered from the well, PROVIDED that gas used off the premises by a party shall be considered gas actually produced and sold by said party, and, for the purposes of Section 5 (b), the fair market value of such gas at the wellhead at the time of taking shall be considered as the price received for said gas.

5. (a) This agreement is made to promote the purpose set forth in paragraph 1 and to protect each party against any other party receiving more than its proportionate share of the total cumulative production. It shall never be construed to effect the unjust enrichment of any party to the detriment of the others or to deprive any party of its right to its proportionate share of the total cumulative production. Therefore, when production from a well permanently ceases, there shall be an accounting among the parties hereto to the end that any under-produced party shall receive as compensation for the relinquishment of its right to share in gas production from that reservoir a sum of money equal to the amount actually received, less royalties paid and applicable taxes paid, by any over-produced party from the sale of that part of the total cumulative volume of gas produced from that well which any under-produced party was entitled to sell, but which was actually sold by the over-produced parties.

(b) It is recognized that there may be changes in the price received by those parties who have from time to time sold a greater proportion of the cumulative production as of such dates than their proportion of ownership in the well. It is, therefore, agreed that any production sold by any party, over and above its proportion of the current monthly production, shall be credited to the first unbalanced under-production of such party from time to time; in other words, any currently accruing over-production by any under-produced party shall offset under-production in the order of accrual.

6. When there is an imbalance in the production accounts of the parties hereto, Operator shall furnish to each Non-Operator a statement showing status of the over and short account of all well owners on a monthly basis.

7. Each party hereto selling gas from the well agrees to bear and pay the applicable royalty payments due on such sales and any applicable taxes assessed or made by any governmental authority having jurisdiction on the act, right or privilege of production, severance, gathering, transportation, handling, sale or delivery of gas which is measured by the volume or value of gas, and does hereby indemnify all of the other parties hereto against any claim for royalties on such sales and such taxes paid thereon. All other burdens of whatsoever kind or character shall be borne by the party responsible for the discharge thereof.

8. The operating expenses for each calendar month are to be borne in the proportions set out in Exhibit "A" of the Operating Agreement, regardless of whether or not all owners are selling gas or whether or not the sales of each are in proportion to the ownership in the well.

EXHIBIT "F"

ATTACHED TO AND MADE A PART OF THAT CERTAIN OPERATING
AGREEMENT DATED JULY 7, 1985 BY AND ~~(BETWEEN)~~ (AMONG)
AMERADA HESS CORPORATION, BRITTOIL VENTURES, INC., HARVEY E. YATES CO.,
AND J.R. ROWAN & ASSOCIATES

FEDERAL CONTRACT REQUIREMENTS

EACH PARTY TO THE CONTRACT OR AGREEMENT OF WHICH THIS EXHIBIT IS A PART AGREES AND CERTIFIES TO THE PROVISIONS HEREOF AS SET OUT BELOW, UNLESS AND TO THE EXTENT EXEMPT BY LAW FROM THE APPLICATION OF SOME OR ALL OF SAID PROVISIONS; AND FOR PURPOSES HEREOF THE TERM "CONTRACTOR" AS USED HEREIN MEANS AND REFERS SEPARATELY TO EACH SUCH PARTY.

I. EQUAL EMPLOYMENT OPPORTUNITY:

A. Equal Opportunity Clause (41 C.F.R. 60-1.4)

(Applies to all contracts and subcontracts with an aggregate total value exceeding \$10,000 in any 12 month period.)

The Contractor agrees that during the performance of this contract he will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The equal opportunity clause published in the regulations of the U.S. Department of Labor implementing Executive Order 11246 is hereby incorporated in this certificate by reference.

B. Employee Information Reports (41 C.F.R. 60-1.7)

(Applies to contracts, subcontracts or purchase orders amounting to \$50,000 or more.)

The contractor agrees to file timely, complete and accurate reports on Standard Form 100 (EEO-1) with the appropriate federal office if the contractor has 50 or more employees; is a prime contractor or first-tier subcontractor; and is not exempt from the provisions of the applicable regulations.

C. Affirmative Action Compliance Program (41 C.F.R. 60-1.40)

(Applies to contracts of \$50,000 or more.)

The contractor agrees to develop a written affirmative action compliance program for each of its establishments in accordance with the regulations promulgated under Executive Order 11246, if the Contractor has 50 or more employees.

D. Certification of Nonsegregated Facilities (41 C.F.R. 60-1.8)

The Contractor certifies that he does not and will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not and will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The Contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities"

means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

Notice to Prospective Subcontractors of Requirement For Certifications of Nonsegregated Facilities

A Certification of Nonsegregated Facilities must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

II. AFFIRMATIVE ACTION FOR DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA (41 C.F.R. 60-250)

(Applies to contracts and subcontracts for \$10,000 or more.)

The Contractor agrees to comply with the affirmative action clause and regulations published by the U.S. Department of Labor implementing section 402 of the Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, and Executive Order 11701, which are incorporated in this certificate by reference.

III. AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS (41 C.F.R. 60-741.4)

(Applies to contracts and subcontracts for \$2,500 or more.)

The Contractor agrees to comply with the affirmative action clause and regulations published by the U.S. Department of Labor implementing section 503 of the Rehabilitation Act of 1973, Public Law 93-112, as amended, which are incorporated in this certificate by reference.

IV. MINORITY BUSINESS ENTERPRISES (41 C.F.R. 1-1.1310-2)

A. Utilization of Minority Business Enterprises

(Applies to Contracts which offer substantial minority business enterprise subcontracting opportunities.)

(a) It is the policy of the Government that minority business enterprises shall have the maximum practicable opportunity to participate in the performance of Government contracts.

(b) The Contractor agrees to use his best efforts to carry out this policy in the award of his subcontracts to the fullest extent consistent with the efficient performance of this contract. As used in this contract, the term "minority business enterprise" means a business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members. For the purposes of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American Indians, American-Eskimos, and American Aleuts. Contractors may rely on written representations by subcontractors regarding their status as minority business enterprises in lieu of an independent investigation.

B. Minority Business Enterprises Subcontracting Program

(Applies to contracts which may exceed \$500,000.)

- (a) The Contractor agrees to establish and conduct a program which will enable minority business enterprises (as defined in the clause entitled "Utilization of Minority Business Enterprises") to be considered fairly as subcontractors and suppliers under this contract. In this connection, the Contractor shall:
- (1) Designate a liaison officer who will administer the Contractor's minority business enterprises program.
 - (2) Provide adequate and timely consideration of the potentialities of known minority business enterprises in all "make-or-buy" decisions.
 - (3) Assure that known minority business enterprises will have an equitable opportunity to compete for subcontracts, particularly by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation of minority business enterprises.
 - (4) Maintain records showing (i) procedures which have been adopted to comply with the policies set forth in this clause, including the establishment of a source list of minority business enterprises, (ii) awards to minority business enterprises on the source list, and (iii) specific efforts to identify and award contracts to minority business enterprises.
 - (5) Include the Utilization of Minority Business Enterprises clause in subcontracts which offer substantial minority business enterprises subcontracting opportunities.
 - (6) Cooperate with the U.S. Government in any studies and surveys of the Contractor's minority business enterprises procedures and practices that may be conducted from time to time.
 - (7) Submit periodic reports of subcontracting to known minority business enterprises with respect to the records referred to in subparagraph (4), above, in such form and manner and at such time (not more often than quarterly) as the U.S. Government may prescribe.
- (b) The Contractor further agrees to insert, in any subcontract hereunder which may exceed \$500,000, provisions which shall conform substantially to the language of this clause, including this paragraph (b), and to notify the Company of the names of such subcontractors.

V. NONDISCRIMINATION IN FEDERALLY ASSISTED RAILROAD PROGRAMS

(49 C.F.R. 265.7)

The Contractor agrees to comply with applicable regulations of the Federal Railroad Administration dealing with Nondiscrimination in employment and purchasing issued pursuant to Section 905 of the Railroad Revitalization and Regulatory Reform Act of 1976, which are incorporated in this certificate by reference.

VI. CLEAN AIR AND WATER (41 C.F.R. 1-1.2302-2)

(Applies to contracts exceeding \$100,000 in any one year.)

The Contractor agrees to comply with the requirements of section 114 of the Clean Air Act and section 308 of the Federal Water Pollution Control Act and the Clean Air and Water contract clause published in the Federal Procurement Regulations, which is incorporated in this certificate by reference.

NOTE: The above provisions are intended to reflect the requirements of the applicable laws and regulations in effect as of the date of certification. None of these provisions should be construed as imposing more stringent requirements than those mandated by law.

R 37 E

6

Atlantic "AH" 11,800'

5

Abol Monte

State 4

AHC 84 Anderson 0/1984 12,160

7

Blanks State "7" 11,560' / 17

8

ENERGY-RES. 11,708'

YATES Lovington 32/1985 8/11,798'

9

AHC Andrus 1-9 PTD 12,000'

AHC State 1-9 15/1985

99/1981 3 11,485'

111/1980 2 11,530'

W.C. Blanks Pennzoil

4 11,476' / 0.6

202/1980 1 11,530'

17

Pennzoil St. 11,570' / 0 / 1969

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION EXHIBIT NO. F CASE NO. 8650

16

PENNZOIL State 16 2/0

18

Pennzoil 11,536' / 144 / 1968

Getty Montieth-D

WAINCO Aztec 10/1982 3 11,443' / 0 / 1968

157/1965 3 11,614'

720/1969 2 St. C

1699 1 Pennzoil St. 439 / 1969

Tidewater, etal 372' 11,431'

S.W. Prod (Tidewater) (St. AU) 157/1967 1 11,302'

11,431' / 372'

Monteith "B"

Cit. Serv. 0 St. CK 1969 11,400'

19

Western Nat'l. 18/1968 1 3φ

S.W. Prod Corp. Montieth "B" St.

149/1968 2 11,274'

12,871' / 0 / 1953

11,925'

Monteith-St.

Jacobs - State

Tidewater TEXAS CRUDE 1-20-4 11,610' / 0 / 1953

5000' / 11,465'

79/1982 11,490'

20

SOHIO Montieth 11,550'

1253/1969 1 Pennzoil St. 173/1981 AC

GETTY Lov-Lumpkin 0/1984 11,600'

1126/1952 11,925'

12,871' / 0 / 1953

11,890' / 0

11,680' / 0

21

Pennzoil 11,700' / 0 / 1969 St. Z

Am. Quasar CFX St. 0

Amerind 2 11,650' / 1983

87/1981 7 Higgins 11,602'

Amerind 45 Higgins Trust 1984 11,575'

Browr Drig. Montieth 11,890' / 0

CHK Pet. Montieth 11,680' / 0

(Leonard) Tenneco "Q" 3φ 6450'

Cities Service 11,795' / 0 / 1952

YATES 1-29 11,500' / 22 / 1980

Gulf St. BV 0 / 1953

MONCRIEF Yates 1983 4 11,375' / State "AF"

30

4 ● 6505'

1 ● 6277' 2 ● 6500'

State Texas

2 ● 6270' 4 ● 6270'

Graham

TIPPEARY Monsanto 11,250' / 6356'

Continental Oil Co. State 11,535'

AMERADA HESS

U. S. ONSHORE EXPLORATION DENVER, COLORADO

Exhibit "F" LOVINGTON NE AREA LEA COUNTY, NEW MEXICO

- PROFITABLE PRODUCING WELL
- MARGINAL PRODUCING WELL
- UNPROFITABLE PRODUCING WELL OR DRY HOLE
- 217/1985 CUMULATIVE PRODUCTION (MBO)
- DATE OF COMPLETION

GEOLOGIST R. LUPE LANDMAN C. HERRON

GEOPHYSICIST T. DURHAM DRAFTSMAN W. FENTON

DATES: 07/85