

MARSHALL & WINSTON, INC.

310 WEST TOWER
 10 DESTA DRIVE
 MIDLAND, TEXAS 79705

December 21, 1987

State of New Mexico
 Oil Conservation Division
 P. O. Box 2088
 Santa Fe, New Mexico 87504

Case 9307

ATTN: Mr. William J. LeMay

Re: Administrative Forced Pooling
 Unlocatable Mineral Owner
 Lea County, New Mexico
 Township 21 South, Range 38 East, NMPM
 Section 6: Lot 12
 Containing 40 acres more or less

Gentlemen:

We respectfully request Administrative Forced Pooling of the mineral ownership belonging to Vivian Greathouse Thompson (A/K/A Vivian Greathouse Thomson, Vivian Greathouse Thomsen), her heirs and assigns, in the captioned land. No opposition for the hearing is expected. She owns an undivided 1/192nd or 0.520833% mineral interest. Attached hereto are the following:

1. Map outlining the spacing unit to be pooled.
2. List of owners, notice of ownership and interest in the spacing unit to be pooled.
3. Affidavit of Steve Brown setting forth:
 - a. Name and last known address of Vivian Greathouse Thompson, and
 - b. Evidence of attempts to locate her.
4. Statement by Tom Brandt, our staff engineer, as to the following:
 - a. The names of the formations or pools to be pooled,
 - b. Statement requesting pooling for oil and gas,
 - c. Appropriate geological maps and risk assessments,
 - d. Proposed overhead charges,
 - e. Location and depth of proposed well, and
 - f. Authorization For Expenditure.

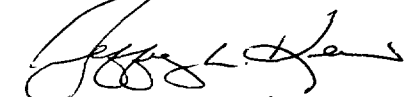
State of New Mexico
December 21, 1987
Page 2

5. A copy of our Operating Agreement covering the captioned acreage.

Please advise if you need anything further.

Very truly yours,

MARSHALL & WINSTON, INC.



Jeffrey L. Keim
Landman

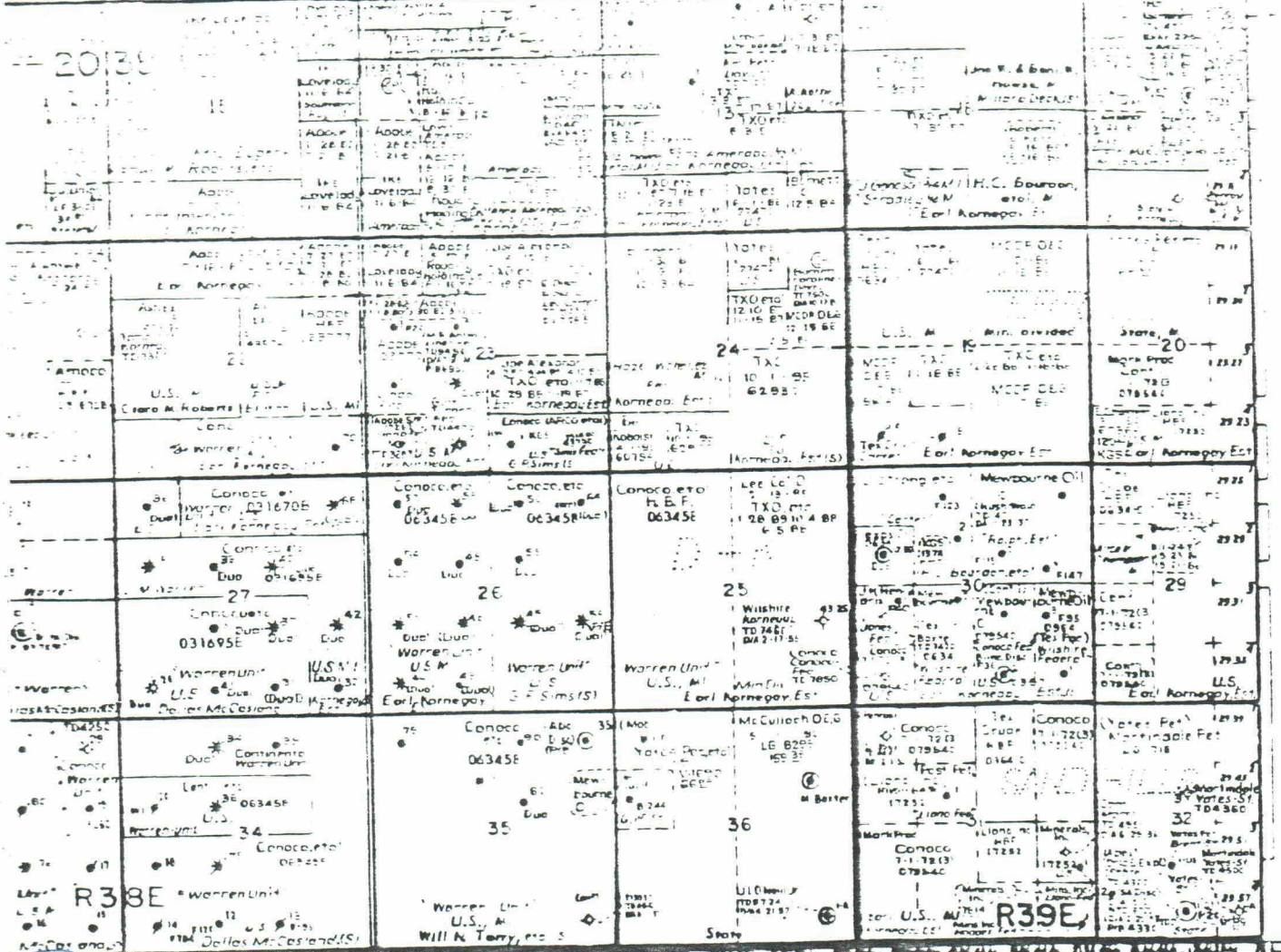
JLK/pls

Enclosures

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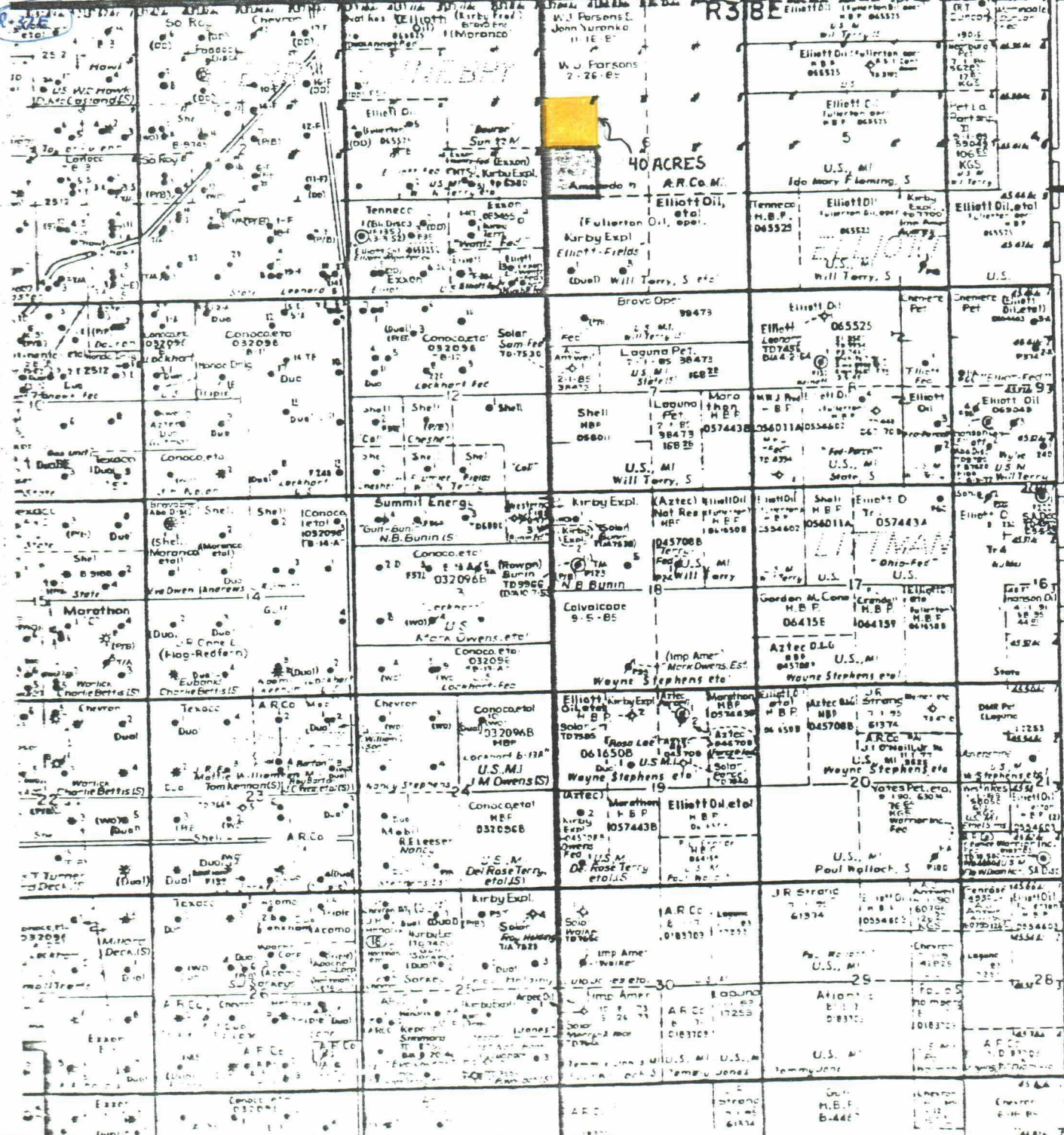
BLK. A-28



32°30'

T
21
S

BLK. A-29



OWNERS, NATURE OF OWNERSHIP & INTERESTS
UNDER LOT 12, SECTION 6, T-21-S, R-38-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

ROYALTY INTEREST OWNERS

Braille Institute of America	.02893438	
Republic Bank Dallas N.A., Trustee of the Selma E. Andrews Trust	.03356563	
Amerada Hess Corporation	.12500000	
Bonnie Bell Phillips, Personal Representative of the Estate of Edna L. Bradley, Deceased	.01171875	
Jonathan S. Vordermark	.00156250	
David Q. Vordermark	.00156250	
M Ranch, Inc. as Trustee for CBM Trust for the life of Muriel Terry McNeill, Remainderman	.00390625	
Ruth Terry Furneaux for Life, Remainderman	.00390625	
N. Randolph Reese	.00097656	
Annette Reese Qunitana	<u>.00097656</u>	
Total		.21210938

OVERRIDING ROYALTY INTERESTS OWNERS

William J. Parsons	.00618489	
John Yuronka	<u>.00618490</u>	
Total		.01236979

WORKING INTERESTS OWNERS

Marshall & Winston, Inc.	.53046870	
Machpane Energy Inc.	.06679690	
John Yuronka	.06679690	
Exxon Corporation	.01250000	
Max W. Coll II	.02343750	
James N. Coll	.02343750	
Charles H. Coll	.02343750	
Jon F. Coll	.02343750	
Vivian Greathouse Thompson	<u>.00520833</u>	
Total		<u>.77552083</u>
GRAND TOTAL		<u><u>1.00000000</u></u>

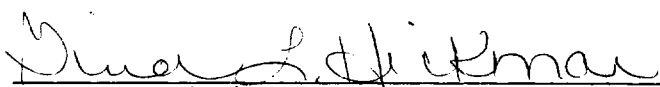
The following is a true and correct listing of the owners, nature of ownership and interests in the captioned lands to the best of my knowledge.



JEFFREY E. KEIM

Sworn and subscribed to this the 22nd day of December, 1987.





Notary Public

AFFIDAVIT

STATE OF TEXAS

COUNTY OF MIDLAND

THAT I, Steve Brown, former FBI agent, am owner of Steve Brown & Associates, 2303 West Wall, Suite 200, Midland, Texas 79701.

THAT Steve Brown & Associates is a private investigation firm specializing in locating lost mineral and royalty owners.

THAT Steve Brown & Associates has located in excess of 7,000 lost mineral and royalty owners since 1980.

THAT Steve Brown & Associates was hired to locate Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen), whose known address was in California. This investigation was conducted with negative results. Interviews with the following relatives of Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen) revealed they had not seen or talked with her in several years:


1. Annette Quintana
520 South Fourth Street
Las Vegas, Nevada 89101
(702) 384-5563 (office telephone)
(702) 363-1843 (home telephone)
2. Randolph Reese
603 East Yeso
Hobbs, New Mexico 88240
(505) 393-1153
3. Lila Reese
Route 2, Box 162C
Roswell, New Mexico 88201
(505) 623-2280

Annette Quintana advised that the last address she had for Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen) was 20800 Homstead Road, Apt. 35B, Cupertino, California. Investigation revealed this address to be the Villa Serra Apartments. The Manager revealed Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen) does not reside there at this time and she does not know Thompson. She advised that two men reside in Apartment 35B.

Annette Quintana also advised that she believed Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen) has remarried but she does not know who her husband is.

Investigation in California through voter registration records, DMV records, property tax records, marriage records and death records revealed no information regarding Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen).

It is believed that a nationwide search would now have to be conducted in order to locate Vivian Greathouse Thompson (AKA Vivian Greathouse Thomson and Vivian Greathouse Thomsen).



STEVE BROWN

STATE OF TEXAS

COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared STEVE BROWN, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 23rd day of December, 1987.



Gina L. Hickman
Notary Public in and for the
State of Texas
Printed Name: Gina L. Hickman

My Commission Expires:

STATEMENT FOR APPLICATION
FOR COMPULSORY POOLING (UNOPPOSED)
RULE 1207 AMENDED

Gentlemen:

As to your Requirement #1, see the attached base map showing the proposed forty (40) acre spacing unit to be pooled.

As to your Requirement #3, the names of the formations to be pooled are the Abo, Drinkard, Fullerton, Tubb, Blinebry and San Andres.

As to your Requirement #4, all the formations are to be pooled for oil and/or gas production.

As to your Requirement #6, the attached geological maps are contoured on the Abo, Blinebry and San Andres formations. The Drinkard, Fullerton and Tubb formations have not been mapped because the geological configuration of these formations would be the same as those formations for which maps are attached. All the formations for which pooling is being requested either produce in nearby wells or have exhibited significant hydrocarbon shows on the sample log of the direct west offset well.

Geologically the risk involved in drilling the captioned well should be low because the prospect will be directly offsetting proven production. The risk of drilling the prospect from an engineering assessment should also be minimal because of the many wells drilled in this area which have incurred little or no problems while drilling. The risk penalty requested to be assessed against the unlocatable owner in this prospect is that participating owners will be allowed to recoup 100% of their initial investment plus an additional 200% before the unlocatable owner can back in.

As to your Requirement #7, we are proposing a drilling overhead of \$4500 per month and an operating overhead of \$450 per month per the Operating Agreement dated March 1, 1987 covering the subject lot.

As to your Requirement #8, the proposed location is 3000' FNL and 330' FWL of Section 6, Township 21 South, Range 38 East, N.M.P.M., Lea County, New Mexico.

As to your Requirement #9, I have enclosed a copy of our AFE.

The statements and documents referred to herein are true and correct to the best of my knowledge.

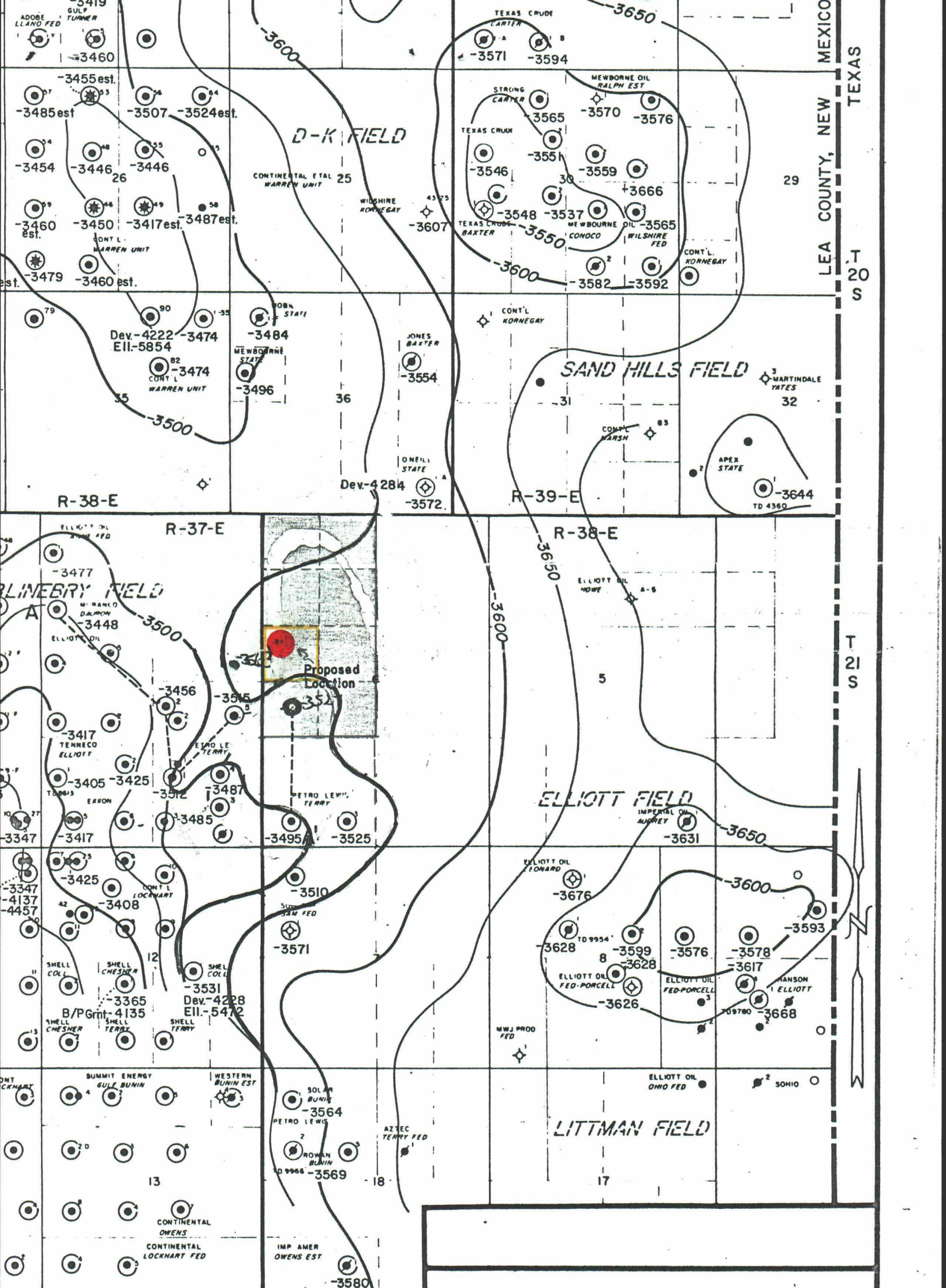
Tom M. Brandt

TOM M. BRANDT

Sworn and subscribed to me this 28th day of December, 1988.



Gina L. Hickman
Notary Public in and for the
State of Texas



ELLIOT PROSPECT
LEA CO., NEW MEXICO
 Contour Datum Abo
 Contour Interval=50'

Date 1 / 20 / 87 Geol. by : W.J. Parsons

SCALE
 1/4 0 1/4 1/2 1 Mile

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

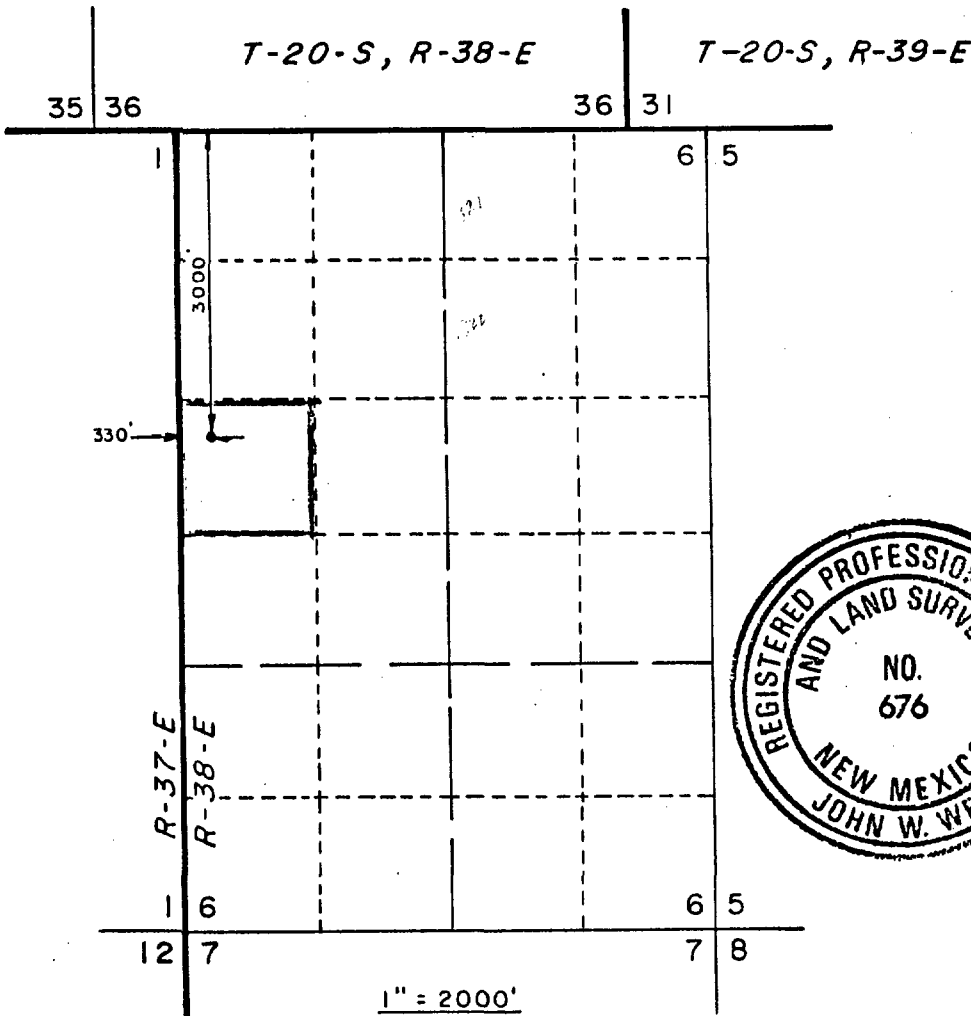
Operator Marshall & Winston, Inc.			Lease McNeill A		Well No. 1
Unit Letter L	Section 6	Township 21 South	Range 38 East	County Lea	
Actual Footage Location of Well: 3000 feet from the North line and 330 feet from the West line					
Ground Level Elev. 3556.7	Producing Formation Abo	Pool Wantz - Abo		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Tom M. Brandt

Name	Tom M. Brandt
Position	Engineer
Company	Marshall & Winston, Inc.
Date	December 28, 1987



I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same are true and correct to the best of my knowledge and belief.

Date Surveyed	December 21, 1987
Registered Professional Engineer and/or Land Surveyor	<i>John W. West</i>
Certificate No.	JOHN W. WEST 676
	Ronald J. Eidson 3239

COST ESTIMATE AND AUTHORIZATION FOR EXPENSE

Operator <u>Marshall & Winston, Inc.</u>	Lease <u>McNeill</u>	Well No. <u>A No.1</u>
Field <u>Wantz (Abo)</u>	County <u>Lea</u>	State <u>New Mexico</u>
Location <u>"3000' FNL & 400' FWL", Section 6, T21S, R38E</u>		Depth <u>7800'</u>

INTANGIBLE DRILLING COSTS	COST
Footage <u>7800</u> Feet @ <u>\$11.00</u>	\$ <u>85,800</u>
Daywork (Drilling) _____ Days @ _____	<u>8,000</u>
Daywork (Other) _____ Days @ _____	<u>-</u>
Bits (Daywork) _____	<u>-</u>
Water _____	<u>14,000</u>
Mud, Chemicals, Oil, Brine _____	<u>12,000</u>
Roads, Location and Dirt Work <u>including Surveying & Pit Liner</u>	<u>20,000</u>
Surface Damages _____	<u>5,000</u>
Cement, Services and Accessories (Except Oil String) _____	<u>6,000</u>
Mud Logging Unit _____	<u>5,500</u>
Drill Stem Tests _____	<u>-</u>
Coring _____	<u>-</u>
Logging _____	<u>9,000</u>
Trucking _____	<u>-</u>
Tool Rentals _____	<u>2,000</u>
Overhead, Supervision, and Legal _____	<u>8,472</u>
Special Services _____	<u>-</u>
Other <u>New Mexico State Tax 5.25%</u>	<u>9,228</u>

TOTAL INTANGIBLE DRILLING COST \$ 185,000

TANGIBLE DRILLING COSTS	COST
Casing <u>1700' - 8-5/8", 24#, J-55, ST&C @ \$8.00/ft</u>	\$ <u>13,600</u>
Wellhead _____	<u>2,400</u>

TOTAL TANGIBLE DRILLING COST \$ 16,000

CONTINGENCIES \$ 19,000

TOTAL DRILLING COST \$ 220,000

Plugging Cost (If Dry) _____	\$ <u>6,000</u>
Less: Equipment Salvage (If Any) _____	<u>(1,000)</u>

TOTAL DRYHOLE COST \$ 225,000

INTANGIBLE COMPLETION COSTS	COST
Daywork _____ Days @ _____	\$ _____
Well Servicing Unit <u>11</u> Days @ <u>\$1200/day</u>	<u>13,200</u>
Cement, Services and Accessories (Oil String) _____	<u>15,000</u>
Logging and Perforating _____	<u>5,000</u>
Treating _____	<u>40,000</u>
Trucking _____	<u>3,000</u>
Tool Rentals _____	<u>4,000</u>
Special Services <u>Temp. & BHP Surveys, Supervision</u>	<u>11,000</u>
Other <u>New Mexico State Tax 5.25%</u>	<u>4,800</u>

TOTAL INTANGIBLE COMPLETION COST \$ 96,000

TANGIBLE COMPLETION COSTS	COST
Casing <u>7800' - 5-1/2", 15.5# & 17#, J-55 @ \$4.15/ft</u>	\$ <u>32,370</u>
Tubing _____	<u>-</u>
Wellhead and Connections _____	<u>4,630</u>

TOTAL TANGIBLE COMPLETION COST \$ 37,000

TOTAL FLOWING WELL COST \$ 353,000

ARTIFICIAL LIFT EQUIPMENT COST <u>Unit & Base, Motor, Rods, Pump, Electrification</u>	\$ <u>50,000</u>
TANK BATTERY COST (INCLUDING FLOW LINE) _____	\$ <u>22,000</u>

TOTAL WELL COST \$ 425,000

JUL 13 1987

July 11, 1987

EXPLORATION DEPARTMENT
WESTERN DIVISION

RE: JOA Modifications
McNeill #1
Section 6, 21S-38E
Lea County, New Mexico

Marshall & Winston, Inc.
301 West Tower
10 Desta Drive
Midland, TX

Attention: Mr. Jeff Kiem:

Gentlemen:

Reference is made to your Operating Agreement dated March 1, 1987 covering the captioned lands. Exxon Corporation hereby requests the following modifications to be incorporated into said Operating Agreement by and between Marshall & Winston, Inc., as Operator, and Exxon Corporation, et al, as Non-Operators:

1. Article XV., page 14-14b, A-J: These provisions shall have no applicability as between Exxon and Marshall & Winston.

The following Business Ethics Provisions shall be included:

- a. Operator agrees to comply with all laws and lawful regulations applicable to any activities carried out in the name of or on behalf of any one or more of the parties to this agreement under the provisions of this agreement and/or any amendments to it.
- b. Operator agrees that all financial settlements, billings, and reports rendered to any one or more of the parties to this agreement, as provided for in this agreement and/or any amendments to it, will, to the best of its knowledge and belief, reflect properly the facts about all activities and transactions handled for the account of such party or parties, which data may be relied upon as being complete and accurate in any further recording and reporting made by such party or parties for whatever purpose.
- c. Operator agrees to notify the other parties to this agreement promptly upon discovery of any instance where the Operator fails to comply with the provision (1) above or where Operator has reason to believe data covered by (2) above is no longer accurate and complete.

July 11, 1987

2. Exhibit "A", page 2, please change Exxon's address to:

Exxon Corporation
P. O. Box 1700
Midland, TX 79702
Attention: R. R. Hickman
Joint Interest Manager

3. Exhibit "C", page 1, 3A: The phrase "within fifteen (15) days" should be replaced with "within thirty (30) days".
4. Exhibit "C", 2., Overhead - Major Construction -- Blanks A, B and C are "to be negotiated."
5. Exhibits "D" and "D-1": Exxon Corporation is self-insured and, therefore, we request to provide our own insurance coverage.

If these modifications prove satisfactory, please indicate your agreement by signing in the space provided below and returning a copy of this letter to Exxon to my attention.

Very truly yours,

Martha A. Radke
Trades & Unitization 
(915) 683-0519

MAR:kn

Enclosure

AGREED TO AND ACCEPTED

THIS 15th DAY OF July, 1987.

MARSHALL & WINSTON, INC.

BY: 

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

MODEL FORM OPERATING AGREEMENT

OPERATING AGREEMENT

DATED

March 1 , 19 87 ,

OPERATOR Marshall & Winston, Inc.

CONTRACT AREA Lots 11, 12, 13, 14 of Section 6, Township 21 South,

Range 38 East,

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

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OPERATING AGREEMENT

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

WITNESSETH:

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

NOW, THEREFORE, it is agreed as follows:

ARTICLE I.
DEFINITIONS

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

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

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

ARTICLE II.
EXHIBITS

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

- 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. / Exhibit "A-1" - Well Requirements and Contacts.
- B. Exhibit "B", Form of Lease. - pursuant to Article XV.
- C. Exhibit "C", Accounting Procedure.
- D. Exhibit "D", Insurance. / Exhibit "D-1" - Certificate of 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.

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 landowner's royalty 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

1 Option No. 2: Costs incurred by Operator in procuring abstracts and fees paid outside attorneys for title examination
2 (including preliminary, supplemental, shut-in gas royalty opinions and division order title opinions) shall be borne by the Drilling Parties
3 in the proportion that the interest of each Drilling Party bears to the total interest of all Drilling Parties as such interests appear in Ex-
4 hibit "A". Operator shall make no charge for services rendered by its staff attorneys or other personnel in the performance of the above
5 functions.
6

7 Each party shall be responsible for securing curative matter and pooling amendments or agreements required in connection
8 with leases or oil and gas interests contributed by such party. Operator shall be responsible for the preparation and recording of pooling
9 designations or declarations as well as the conduct of hearings before governmental agencies for the securing of spacing or pooling orders.
10 This shall not prevent any party from appearing on its own behalf at any such hearing.
11

12 No well shall be drilled on the Contract Area until after (1) the title to the drillsite or drilling unit has been examined as above
13 provided, and (2) the title has been approved by the examining attorney or title has been accepted by all of the parties who are to par-
14 ticipate in the drilling of the well.
15

16 **B. Loss of Title:**

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

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

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

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

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

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

39 (f) No charge shall be made to the joint account for legal expenses, fees or salaries, in connection with the defense of the interest
40 claimed by any party hereto, it being the intention of the parties hereto that each shall defend title to its interest and bear all expenses in
41 connection therewith.
42

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

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

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

60 (c) Any monies, up to the amount of unrecovered costs, that may be paid by any party who is, or becomes, the owner of the interest
61 lost, for the privilege of participating in the Contract Area or becoming a party to this agreement.
62

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

A. Designation and Responsibilities of Operator:

Marshall & Winston, Inc. _____ 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: ~~fails or refuses to carry out its duties hereunder, becomes insolvent or bankrupt or is placed in receivership,~~

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 15th day of June, 1987, Operator shall commence the drilling of a well for oil and gas at the following location:

3,350 FSL and 660' FWL of Section 6, Township 21 South, Range 38 East,

and shall thereafter continue the drilling of the well with due diligence to a depth of at least 7,800' or to the ABO formation, whichever is the lesser depth,

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.

* (See Article XV.A. for additional terms and provisions with respect to the Initial Well.)

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 con-
43 ditions 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,
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ARTICLE VI

continued

1 and the well shall then be turned over to Operator and shall be operated by it at the expense and for the account of the Consenting Parties. Upon commencement of operations for the drilling, reworking, deepening or plugging back of any such well by Consenting Parties, 2
3 in accordance with the provisions of this Article, each Non-Consenting Party shall be deemed to have relinquished to Consenting Parties, 4
5 and the Consenting Parties shall own and be entitled to receive, in proportion to their respective interests, all of such Non-Consenting 6
7 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 8
9 market value thereof if such share is not sold, (after deducting production taxes, excise taxes, royalty, overriding royalty and other 10
11 interests not excepted by Article III.D. payable out of or measured by the production from such well accruing with respect to such interest 12
13 until it reverts) shall equal the total of the following:

14 (a) 100% of each such Non-Consenting Party's share of the cost of any newly acquired surface equipment beyond the wellhead 15
16 connections (including, but not limited to, stock tanks, separators, treaters, pumping equipment and piping), plus 100% of each such 17
18 Non-Consenting Party's share of the cost of operation of the well commencing with first production and continuing until each such Non- 19
20 Consenting Party's relinquished interest shall revert to it under other provisions of this Article, it being agreed that each Non- 21
22 Consenting Party's share of such costs and equipment will be that interest which would have been chargeable to such Non-Consenting 23
24 Party had it participated in the well from the beginning of the operations; and

25 (b) 300 % of that portion of the costs and expenses of drilling, reworking, deepening, ^{sidetracking,} plugging back, testing and completing, 26
27 after deducting any cash contributions received under Article VIII.C., and 300 % of that portion of the cost of newly acquired equip- 28
29 ment in the well (to and including the wellhead connections), which would have been chargeable to such Non-Consenting Party if it had 30
31 participated therein.

32 An election not to participate in the drilling or the deepening of a well shall be deemed an election not to participate in any re- 33
34 working or plugging back operation proposed in such a well, or portion thereof, to which the initial Non-Consent election applied that is 35
36 conducted at any time prior to full recovery by the Consenting Parties of the Non-Consenting Party's recoupment account. Any such 37
38 reworking or plugging back operation conducted during the recoupment period shall be deemed part of the cost of operation of said well 39
40 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 41
42 the reworking or plugging back operation which would have been chargeable to such Non-Consenting Party had it participated therein. If 43
44 such a reworking or plugging back operation is proposed during such recoupment period, the provisions of this Article VI.B. shall be ap- 45
46 plicable as between said Consenting Parties in said well.

47 During the period of time Consenting Parties are entitled to receive Non-Consenting Party's share of production, or the 48
49 proceeds therefrom, Consenting Parties shall be responsible for the payment of all production, severance, excise, gathering and other 50
51 taxes, and all royalty, overriding royalty and other burdens applicable to Non-Consenting Party's share of production not excepted by Ar- 52
53 ticle III.D.

54 In the case of any reworking, plugging back or deeper drilling operation, the Consenting Parties shall be permitted to use, free 55
56 of cost, all casing, tubing and other equipment in the well, but the ownership of all such equipment shall remain unchanged; and upon 57
58 abandonment of a well after such reworking, ^{sidetracking,} plugging back or deeper drilling, the Consenting Parties shall account for all such equip- 59
60 ment to the owners thereof, with each party receiving its proportionate part in kind or in value, less cost of salvage.

61 Within sixty (60) days after the completion of any operation under this Article, the party conducting the operations for the 62
63 Consenting Parties shall furnish each Non-Consenting Party with an inventory of the equipment in and connected to the well, and an 64
65 itemized statement of the cost of drilling, deepening, ^{sidetracking,} plugging back, testing, completing, and equipping the well for production; or, at its 66
67 option, the operating party, in lieu of an itemized statement of such costs of operation, may submit a detailed statement of monthly bill- 68
69 ings. Each month thereafter, during the time the Consenting Parties are being reimbursed as provided above, the party conducting the 70
71 operations for the Consenting Parties shall furnish the Non-Consenting Parties with an itemized statement of all costs and liabilities in- 72
73 curred in the operation of the well, together with a statement of the quantity of oil and gas produced from it and the amount of proceeds 74
75 realized from the sale of the well's working interest production during the preceding month. In determining the quantity of oil and gas 76
77 produced during any month, Consenting Parties shall use industry accepted methods such as, but not limited to, metering or periodic 78
79 well tests. Any amount realized from the sale or other disposition of equipment newly acquired in connection with any such operation 80
81 which would have been owned by a Non-Consenting Party had it participated therein shall be credited against the total unreturned costs 82
83 of the work done and of the equipment purchased in determining when the interest of such Non-Consenting Party shall revert to it as 84
85 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 par-
60 ty's interest as shown on Exhibit "A" bears to the total interest as shown on Exhibit "A" of all the electing parties. In all other in-
61 stances the response period to a proposal for sidetracking shall be limited to thirty (30) days.

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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.

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

6
7 In the event any party shall fail to make the arrangements necessary to take in kind or separately dispose of its proportionate share of
8 the oil 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. see Article XV.F. for additional terms and provisions.~~

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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 *For purposes of this and any provision referring to oil and gas interests, a party owning a royalty
58 interest as well as a leasehold interest elected under XV.C.2. shall be treated as owning only the
59 leasehold interest, rather than an oil and gas interest.



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. ~~may~~, but shall not be obligated to

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
20 ARTICLE VII.
21 EXPENDITURES AND LIABILITY OF PARTIES

22
23 A. Liability of Parties:

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

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:
68
69
70

ARTICLE VII
continued

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

3
4 Option No. 2: All necessary expenditures for the drilling or deepening and testing of the well. When such well has reached its
5 authorized depth, and all tests have been completed, and the results thereof furnished to the parties, Operator shall give immediate notice
6 to the Non-Operators who have the right to participate in the completion costs. The parties receiving such notice shall have forty-eight
7 (48) hours (exclusive of Saturday, Sunday and legal holidays) in which to elect to participate in the setting of casing and the completion at-
8 tempt. Such election, when made, shall include consent to all necessary expenditures for the completing and equipping of such well, in-
9 cluding necessary tankage and/or surface facilities. Failure of any party receiving such notice to reply within the period above fixed shall
10 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,
11 elect to set pipe and to attempt a completion, the provisions of Article VI.B.2. hereof (the phrase "reworking, deepening or plugging
12 back" as contained in Article VI.B.2. shall be deemed to include "completing") shall apply to the operations thereafter conducted by less
13 than all parties.

14
15 2. Rework or Plug Back: Without the consent of all parties, no well shall be reworked or plugged back except a well reworked or
16 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
17 include all necessary expenditures in conducting such operations and completing and equipping of said well, including necessary tankage
18 and/or surface facilities.

19
20 3. Other Operations: Without the consent of all parties, Operator shall not undertake any single project reasonably estimated
21 to require an expenditure in excess of Twenty-five thousand & no/100----- Dollars (\$ 25,000.00)
22 except in connection with a well, the drilling, reworking, deepening, completing, recompleting, or plugging back of which has been
23 previously authorized by or pursuant to this agreement; provided, however, that, in case of explosion, fire, flood or other sudden
24 emergency, whether of the same or different nature, Operator may take such steps and incur such expenses as in its opinion are required
25 to deal with the emergency to safeguard life and property but Operator, as promptly as possible, shall report the emergency to the other
26 parties. If Operator prepares an authority for expenditure (AFE) for its own use, Operator shall furnish any Non-Operator so requesting
27 an information copy thereof for any single project costing in excess of Twenty-five thousand & no/100-----
28 Dollars (\$ 25,000.00) but less than the amount first set forth above in this paragraph.

29
30 **E. Rentals, Shut-in Well Payments and Minimum Royalties:**

31
32 Rentals, shut-in well payments and minimum royalties which may be required under the terms of any lease shall be paid by the
33 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 con-
34 tributed interests in the same lease to this agreement, such parties may designate one of such parties to make said payments for and on
35 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
36 failure to make proper payment of any rental, shut-in well payment or minimum royalty through mistake or oversight where such pay-
37 ment is required to continue the lease in force, any loss which results from such non-payment shall be borne in accordance with the pro-
38 visions of Article IV.B.2.

39
40 Operator shall notify Non-Operator of the anticipated completion of a shut-in gas well, or the shutting in or return to production
41 of a producing gas well, at least five (5) days (excluding Saturday, Sunday and legal holidays), or at the earliest opportunity permitted by
42 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
43 Non-Operator, the loss of any lease contributed hereto by Non-Operator for failure to make timely payments of any shut-in well payment
44 shall be borne jointly by the parties hereto under the provisions of Article IV.B.3.

45
46 **F. Taxes:**

47
48 Beginning with the first calendar year after the effective date hereof, Operator shall render for ad valorem taxation all property
49 subject to this agreement which by law should be rendered for such taxes, and it shall pay all such taxes assessed thereon before they
50 become delinquent. Prior to the rendition date, each Non-Operator shall furnish Operator information as to burdens (to include, but not
51 be limited to, royalties, overriding royalties and production payments) on leases and oil and gas interests contributed by such Non-
52 Operator. If the assessed valuation of any leasehold estate is reduced by reason of its being subject to outstanding excess royalties, over-
53 riding royalties or production payments, the reduction in ad valorem taxes resulting therefrom shall inure to the benefit of the owner or
54 owners of such leasehold estate, and Operator shall adjust the charge to such owner or owners so as to reflect the benefit of such reduc-
55 tion. If the ad valorem taxes are based in whole or in part upon separate valuations of each party's working interest, then notwithstanding
56 anything to the contrary herein, charges to the joint account shall be made and paid by the parties hereto in accordance with the tax
57 value generated by each party's working interest. Operator shall bill the other parties for their proportionate shares of all tax payments in
58 the manner provided in Exhibit "C".

59
60 If Operator considers any tax assessment improper, Operator may, at its discretion, protest within the time and manner
61 prescribed by law, and prosecute the protest to a final determination, unless all parties agree to abandon the protest prior to final deter-
62 mination. During the pendency of administrative or judicial proceedings, Operator may elect to pay, under protest, all such taxes and any
63 interest and penalty. When any such protested assessment shall have been finally determined, Operator shall pay the tax for the joint ac-
64 count, together with any interest and penalty accrued, and the total cost shall then be assessed against the parties, and be paid by them, as
65 provided in Exhibit "C".

66
67 Each party shall pay or cause to be paid all production, severance, excise, gathering and other taxes imposed upon or with respect to
68 the production or handling of such party's share of oil and/or gas produced under the terms of this agreement. / windfall profits tax

ARTICLE VII
continued

1 G. Insurance:
2

3 At all times while operations are conducted hereunder, Operator shall comply with the workmen's compensation law of
4 the state where the operations are being conducted; provided, however, that Operator may be a self-insurer for liability under said com-
5 pensation laws in which event the only charge that shall be made to the joint account shall be as provided in Exhibit "C". Operator shall
6 also carry or provide insurance for the benefit of the joint account of the parties as outlined in Exhibit "D", attached to and made a part
7 hereof. Operator shall require all contractors engaged in work on or for the Contract Area to comply with the workmen's compensation
8 law of the state where the operations are being conducted and to maintain such other insurance as Operator may require.
9

10 In the event automobile public liability insurance is specified in said Exhibit "D", or subsequently receives the approval of the
11 parties, no direct charge shall be made by Operator for premiums paid for such insurance for Operator's automotive equipment.
12

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

16 A. Surrender of Leases:
17

18 The leases covered by this agreement, insofar as they embrace acreage in the Contract Area, shall not be surrendered in whole
19 or in part unless all parties consent thereto.
20

21 However, should any party desire to surrender its interest in any lease or in any portion thereof, and the other parties do not
22 agree or consent thereto, the party desiring to surrender shall assign, without express or implied warranty of title, all of its interest in
23 such lease, or portion thereof, and any well, material and equipment which may be located thereon and any rights in production
24 thereafter secured, to the parties not consenting to such surrender. If the interest of the assigning party is or includes an oil and gas in-
25 terest, the assigning party shall execute and deliver to the party or parties not consenting to such surrender an oil and gas lease covering
26 such oil and gas interest for a term of one (1) year and so long thereafter as oil and/or gas is produced from the land covered thereby, ~~such~~
27 ~~lease to be on the form attached hereto as Exhibit "B"~~. Upon such assignment or lease, the assigning party shall be relieved from all
28 obligations thereafter accruing, but not theretofore accrued, with respect to the interest assigned or leased and the operation of any well
29 attributable thereto, and the assigning party shall have no further interest in the assigned or leased premises and its equipment and pro-
30 duction other than the royalties retained in any lease made under the terms of this Article. The party assignee or lessee shall pay to the
31 party assignor or lessor the reasonable salvage value of the latter's interest in any wells and equipment attributable to the assigned or leas-
32 ed acreage. The value of all material shall be determined in accordance with the provisions of Exhibit "C", less the estimated cost of
33 salvaging and the estimated cost of plugging and abandoning. If the assignment or lease is in favor of more than one party, the interest
34 shall be shared by such parties in the proportions that the interest of each bears to the total interest of all such parties.
35

36 Any assignment, lease or surrender made under this provision shall not reduce or change the assignor's, lessor's or surrendering
37 party's interest as it was immediately before the assignment, lease or surrender in the balance of the Contract Area; and the acreage
38 assigned, leased or surrendered, and subsequent operations thereon, shall not thereafter be subject to the terms and provisions of this
39 agreement.
40

41 B. Renewal or Extension of Leases:
42

43 If any party secures a renewal of any oil and gas lease subject to this agreement, all other parties shall be notified promptly, and
44 shall have the right for a period of thirty (30) days following receipt of such notice in which to elect to participate in the ownership of the
45 renewal lease, insofar as such lease affects lands within the Contract Area, by paying to the party who acquired it their several proper pro-
46 portionate shares of the acquisition cost allocated to that part of such lease within the Contract Area, which shall be in proportion to the
47 interests held at that time by the parties in the Contract Area.
48

49 If some, but less than all, of the parties elect to participate in the purchase of a renewal lease, it shall be owned by the parties
50 who elect to participate therein, in a ratio based upon the relationship of their respective percentage of participation in the Contract Area
51 to the aggregate of the percentages of participation in the Contract Area of all parties participating in the purchase of such renewal lease.
52 Any renewal lease in which less than all parties elect to participate shall not be subject to this agreement.
53

54 Each party who participates in the purchase of a renewal lease shall be given an assignment of its proportionate interest therein
55 by the acquiring party.
56

57 The provisions of this Article shall apply to renewal leases whether they are for the entire interest covered by the expiring lease
58 or cover only a portion of its area or an interest therein. Any renewal lease taken before the expiration of its predecessor lease, or taken or
59 contracted for within six (6) months after the expiration of the existing lease shall be subject to this provision; but any lease taken or con-
60 tracted for more than six (6) months after the expiration of an existing lease shall not be deemed a renewal lease and shall not be subject to
61 the provisions of this agreement.
62

63 The provisions in this Article shall also be applicable to extensions of oil and gas leases.
64

65 C. Acreage or Cash Contributions:
66

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

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

- 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 **E. Waiver of Rights to Partition:**

28 If permitted by the laws of the state or states in which the property covered hereby is located, each party hereto owning an
29 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
30 interest therein.
31

32 **F. Preferential Right to Purchase:**

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

43 **ARTICLE IX.**
44 **INTERNAL REVENUE CODE ELECTION**

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

Operator may settle any single uninsured third party damage claim or suit arising from operations hereunder if the expenditure does not exceed Fifteen Thousand and no/100-----Dollars (\$ 15,000.00) and if the payment is in complete settlement of such claim or suit. If the amount required for settlement exceeds the above amount, the parties hereto shall assume and take over the further handling of the claim or suit, unless such authority is delegated to Operator. All costs and expenses of handling, settling, or otherwise discharging such claim or suit shall be at the joint expense of the parties participating in the operation from which the claim or suit arises. If a claim is made against any party or if any party is 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.

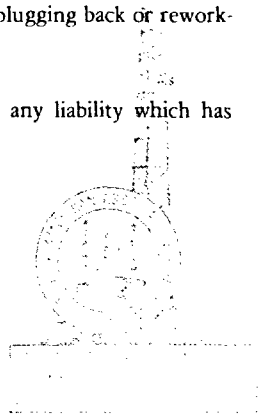
ARTICLE XIII.
TERM OF AGREEMENT

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 90 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 90 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 New Mexico shall govern.

C. Regulatory Agencies:

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

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

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

ARTICLE XV.
OTHER PROVISIONS

A. Amerada Hess Corporation, hereinafter referred to as "AHC", agrees to grant to Marshall & Winston, Inc., hereinafter referred to as "M & W", an oil and gas lease in the form of Exhibit "B" attached to this Operating Agreement, subject to the terms and conditions herein stated, covering those lands contained within the proration unit for the Initial Well as set forth in Article VI, said lands being hereinafter referred to as "Earned Lease premises".

B. You may drill the following test well, hereinafter referred to as "Initial Well":

1. **Commence actual drilling:** On or before June 15, 1987.
2. **Location:** At the location set forth in Article VI.
3. **Objective depth:** To a subsurface depth of at least 7,800 feet or to a depth sufficient, in AHC's opinion, to adequately test the ABO formation, whichever is the lesser depth.
4. **Complete:** In the manner specified in Article VI. and within that period of time in which a reasonably prudent operator would complete said well. "Complete" as used herein shall mean a well equipped to produce, if capable, or a shut-in gas well, or a well, if a dry hole, plugged and abandoned in compliance with applicable laws and regulations.

C. Upon M & W's completion of the Initial Well in the manner herein prescribed as a commercial producer, AHC will execute and deliver to M & W an oil and gas lease covering its interest in the Earned lease premises included within the proration unit for such well as to those depths from the surface down to and including 100' below the total depth drilled in the well. The oil and gas lease will be in the form of the OIL AND GAS LEASE attached hereto as Exhibit "B", providing for:

1. A primary term of six (6) months; and
 2. A royalty of one-fourth of eight-eighths ($1/4$ of $8/8$ ths) until payout of the Initial Well, whereupon AHC shall have the option to convert a one-sixteenth of eight-eighths ($1/16$ of $8/8$ ths) royalty interest to a working interest of one-fourth of eight-eighths ($1/4$ of $8/8$ ths). That is to say, at payout of the Initial Well, AHC shall have the right to either (i) elect to retain in effect under the oil and gas lease its one-fourth of eight-eighths ($1/4$ of $8/8$ ths) royalty interest or (ii) elect to retain a three-sixteenths of eight-eighths ($3/16$ of $8/8$ ths) royalty interest under the oil and gas lease and convert the additional one-sixteenth of eight-eighths ($1/16$ of $8/8$ ths) royalty interest to a one-fourth of eight-eighths ($1/4$ of $8/8$ ths) working interest. Such election shall be given to M & W in writing by AHC and shall be effective as of the date of payout of the Initial Well. AHC owns less than the entire fee estate and the above interests are subject to proportionate reduction.
- D. Upon M & W's completion of the Initial Well in the manner herein prescribed, M & W may fully develop the remainder of the Contract Area by drilling thereon in succession:
1. One (1) well for each proration unit as prescribed or permitted by the governmental agency having authority;
 2. With no more than one-hundred-eighty (180) days elapsing between the completion of one well and the commencement of the actual drilling of the next, drilling on the first well hereunder to be commenced within one-hundred-eighty (180) days of your completion of the Initial Well; and
 3. To the objective depth and within the time for completion prescribed for the Initial Well in Article XV.A. above.

In no event shall M & W propose a subsequent well on the Contract Area until 90 days have elapsed from the completion date of the well just previously completed. AHC shall have the option on each subsequent well to either (i) participate with M & W to the extent of AHC's fifty percent (50%) working interest in any such subsequent well or (ii) grant M & W the opportunity to earn an oil and gas lease under the same terms and conditions as set forth in Article XV.A., B. and C. for the Initial Well; provided, however, that under any such oil and gas lease granted by AHC to M & W with regard to any such subsequent well or wells, AHC shall retain a one-fourth of eight-eighths ($1/4$ of $8/8$ ths) royalty only, with no retained rights of conversion to a working interest.

Prior to drilling any well hereunder in which AHC has elected to participate, Operator shall secure issuance in favor of AHC an irrevocable letter of credit in form acceptable to AHC and in a amount equal to one-half ($1/2$) of the approved AFE cost of drilling the well to casing point, plus the estimated costs' of plugging and abandonment. However, with regard to M & W as Operator, it is hereby agreed and understood that M & W will not be required to secure issuance in favor of AHC an irrevocable letter of credit for any test wells proposed hereunder.

- E. All future operations on any portion of the Contract Area jointly owned by M & W and AHC shall be conducted pursuant to the terms and provisions of this Operating Agreement provided, however, that with regard to Article VI.B. Subsequent Operations, in the event one-hundred-eighty (180) days elapse (i) following completion of the Initial Well pursuant to Article XV.A. without M & W commencing actual drilling of a subsequent well under Article XV.B. or (ii) following completion of a subsequent well under Article XV.B. without M & W commencing actual drilling of the next subsequent well, then this Operating Agreement shall thereupon terminate as to all acreage within the Contract Area which is not included within a proration unit for a well producing or capable of producing (including shut-in gas wells) oil and/or gas in paying quantities. In the event of a conflict between the terms and provisions of this Article XV. and the terms and provisions of any other Article in this Operating Agreement, the terms and provisions of this Article XV. shall control.
- F. M & W will furnish to AHC's representative, (see Exhibit "A-1" attached hereto), without cost to AHC, daily drilling reports showing the nature of all work done and depth and formations penetrated, beginning with the date actual work is commenced at the location and continuing until the well is finally completed, and if completed

as a producing oil or gas well, daily reports as to production operations and the daily production for a period of fifteen (15) days after completion of said well. In the event the well is completed as a shut-in gas well, you agree to immediately notify AHC's representative of the date on which the well is shut-in and thereafter the date of first production; and you further agree to furnish AHC's representative from date of such first production and for a period of fifteen (15) days thereafter with daily reports as to production operations and the daily production. Each of the daily reports herein referred to shall be furnished to AHC by 12:00 Noon on the day following the day which is covered by such daily report, excepting Saturdays, Sundays and holidays, in which case you shall furnish such daily report to AHC's representative by 12:00 Noon of the next business day.

- G. No velocity survey shall be run in any well drilled under the terms of this agreement except subject to the following terms: Any party hereto may run such a survey in any well drilled under terms of this agreement at its sole risk and expense, including payment for standby time while such survey is run. The party who runs the survey agrees to assume all liabilities arising from the conduct of such survey and to return the well to the Operator in a reasonably satisfactory condition consistent with its condition at the time such survey was commenced. Such party shall own the survey and all trading rights thereto subject to the right of each other party to receive the results thereof upon payment to the party running such survey of one-sixth (1/6th) of the cost of such survey.
- H. As to the Initial Well and subsequent wells that AHC elects to farmout under the terms of this agreement, M & W shall protect and defend AHC against and indemnify and save AHC harmless from all liability, claims, demands and causes of action in any way connected with or arising out of the execution and performance of work under this agreement. M & W shall insure this indemnity agreement with insurers and in amounts satisfactory to AHC. In addition, M & W will maintain insurance of types and in minimum amounts as set out on the attached Exhibit "D" and will require those with whom contracted to carry sufficient insurance for the protection of the parties hereto. M & W further will furnish AHC a Certificate of Insurance (Exhibit "D-1") for each well and shall have no right to commence drilling operations until the Certificate is furnished to AHC.
- I. Payout means at such time as Operator have recovered from the proceeds of all production from the initial well (after having made all payments out of production burdening the lease, including any royalty reserved by AHC) all of your otherwise unrecovered costs of drilling, testing, completing and equipping to produce the well and your costs of operating the well during the recovery period. The pertinent provisions of the 1984 - COPAS Model Form of Accounting Procedure shall be followed in computing the costs to be recovered and in permitting AHC to audit same during the payout period and for a period of twenty-four months thereafter.

Upon your completion of the Initial Well as a commercial producer, you shall promptly furnish AHC a written statement reflecting the cost to be recovered under the foregoing provisions and thereafter a quarterly statement reflecting the progress of recovery of such cost. Within forty-five (45) days after receipt of a written notice that Operator have completed the recovery of cost hereunder, AHC may, by written notice, elect to acquire that interest herein designated. Should AHC so elect, Operator shall promptly execute and deliver to AHC a conveyance of the interest as herein provided, on a form approved by AHC, effective as of 7:00 a.m. on the day following the day of payout.

- J. AHC shall have the continuing option at all times and from time to time, if it elects either orally or in writing, to purchase currently as produced all or any part of the crude oil and condensate, or either of them, herein called "oil," produced and saved from, or allocated to, the Earned Lease Premises assigned hereunder. The price to be paid shall be the price posted by AHC for like grade and gravity in the district where the Earned Lease Premises are located, or if there is no such posted price then the price posted by the one or more purchasers in the field, or the average thereof if there be more than one, or if there is no posted price then the average price being paid for oil of like grade and gravity by the purchasing companies buying oil in the field where such land is located. At least forty-eight (48) hours prior to the commencement of production from any well on the Earned Lease Premises, you shall notify AHC's Crude Oil Purchasing Department at 1184 Avenue of the Americas, New York, New York 10036 (Area Code 212-997-8500) of the estimated number of barrels of oil per day to be produced from the well and of the grade and gravity of the oil.

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 1st day of March, 1987.

OPERATOR

ATTEST:

MARSHALL & WINSTON, INC.

By: *Robert H. Ritchie*

Robert H. Ritchie
Secretary-Treasurer

By: *William S. Marshall*

William S. Marshall
President

NON-OPERATORS

AMERADA HESS CORPORATION

By: _____

Charles C. Stanford
Attorney-in-Fact

EXXON CORPORATION

By: _____

MAX W. COLL

JAMES N. COLL

CHARLES H. COLL

William S. Marshall
WILLIAM S. MARSHALL

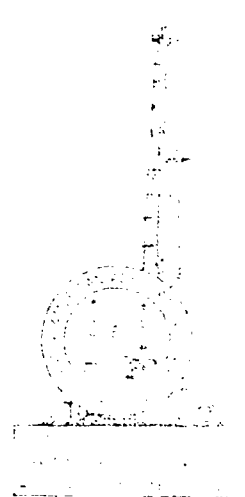
Robert H. Ritchie
ROBERT H. RITCHIE

JON F. COLL

Clarence R. Chandler
CLARENCE R. CHANDLER

JOHN YURONKA

WILLIAM J. PARSONS



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William S. Marshall
President

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AMERADA HESS CORPORATION

Max W. Coll
MAX W. COLL

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Charles C. Stanford
Attorney-in-Fact
EXXON CORPORATION

JAMES N. COLL

By: _____

CHARLES H. COLL

JON F. COLL

WILLIAM S. MARSHALL

CLARENCE R. CHANDLER

ROBERT H. RITCHIE

JOHN YURONKA
MACHPANE ENERGY, INC.

ATTEST:

By: _____
William J. Parsons
President

By: _____
Robert H. Ritchie
Secretary-Treasurer

MAR-WIN DEVELOPMENT CO.
By: _____
Clarence R. Chandler
Vice President

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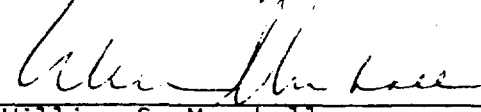
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By: 
Robert H. Ritchie
Secretary-Treasurer

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William S. Marshall
President

NON-OPERATORS


AMERADA HESS CORPORATION

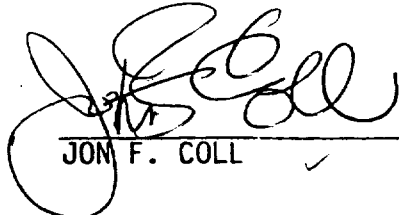
MAX W. COLL

By: Charles C. Stanford
Attorney-in-Fact
EXXON CORPORATION


JAMES N. COLL

By: _____


CHARLES H. COLL


JON F. COLL

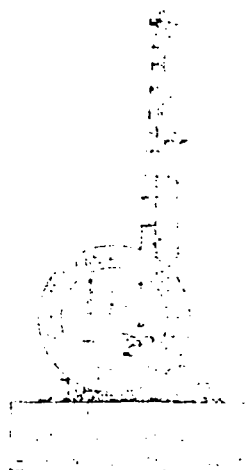
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CLARENCE R. CHANDLER

ROBERT H. RITCHIE

JOHN YURONKA

WILLIAM J. PARSONS



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Secretary-Treasurer

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By: *William S. Marshall*
William S. Marshall
President

NON-OPERATORS

AMERADA HESS CORPORATION

MAX W. COLL

By: Charles C. Stanford
Attorney-in-Fact
EXXON CORPORATION

JAMES N. COLL

By: *R.R. Hickman*
R.R. Hickman, Jnt. Int. Mgr., Prod. Dept.
EXXON COMPANY, U.S.A. (A DIV. OF EXXON CORPORATION), AGENT AND ATTORNEY IN FACT

CHARLES H. COLL

JON F. COLL

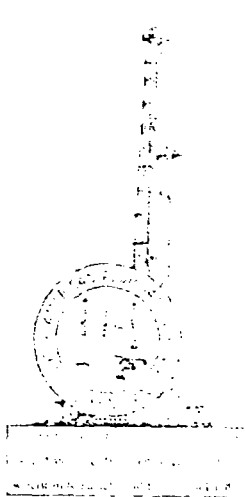
WILLIAM S. MARSHALL

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Charles C. Stanford
Attorney-in-Fact
EXXON CORPORATION

JAMES N. COLL

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JON F. COLL

WILLIAM S. MARSHALL

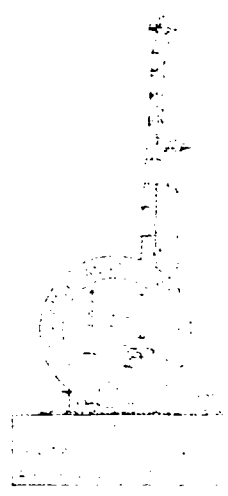
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JOHN YURONKA

WILLIAM J. PARSONS

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William S. Marshall
President

NON-OPERATORS

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By: _____

Charles C. Stanford
Attorney-in-Fact

MAX W. COLL

EXXON CORPORATION

By: _____

JAMES N. COLL

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CLARENCE R. CHANDLER

WILLIAM S. MARSHALL

JOHN YURONKA

MACHPANE ENERGY, INC.

By: *William J. Parsons*

William J. Parsons
President

ROBERT H. RITCHIE

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By: _____
Robert H. Ritchie
Secretary-Treasurer

By: _____
William S. Marshall
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NON-OPERATORS

AMERADA HESS CORPORATION

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Charles C. Stanford
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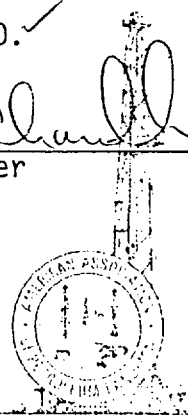
By: _____
William J. Parsons
President

ATTEST:

MAR-WIN DEVELOPMENT CO. ✓

By: _____
Robert H. Ritchie
Secretary-Treasurer

By: _____
Clarence R. Chandler
Vice President



STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM S. MARSHALL, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the President of MARSHALL & WINSTON, INC., and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 27th day of May, 1987.



GINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Gina L. Hickman
Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF HARRIS

Before me, the undersigned authority, on this day personally appeared CHARLES C. STANFORD, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the ATTORNEY-IN-FACT of AMERADA HESS CORPORATION, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

My Commission Expires: _____

Printed Name: _____

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared _____, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the _____ of EXXON CORPORATION, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

My Commission Expires: _____

Printed Name: _____

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM S. MARSHALL, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the President of MARSHALL & WINSTON, INC., and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 27th day of May, 1987.



GINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Gina L. Hickman
Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF HARRIS

Before me, the undersigned authority, on this day personally appeared CHARLES C. STANFORD, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the ATTORNEY-IN-FACT of AMERADA HESS CORPORATION, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas
Printed Name: _____

My Commission Expires:

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared R. R. Hickman, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the Agent and Attorney-in-Fact of EXXON CORPORATION, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 23rd day of July, 1987.

Helen J. Howard
Notary Public in and for the
State of Texas
Printed Name: Helen J. Howard

My Commission Expires:

My Commission Expires
September 29, 1987

STATE OF NEW MEXICO

COUNTY OF SANTA FE

Before me, the undersigned authority, on this day personally appeared MAX W. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 31 day of August, 1987.

[Signature]
Notary Public in and for
SANTA FE County, New Mexico
Printed Name: _____

My Commission Expires:
NOV. 1989

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared JAMES N. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for
Printed Name: _____

My Commission Expires:

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared CHARLES H. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for Chaves
County, New Mexico
Printed Name: _____

My Commission Expires:

STATE OF NEW MEXICO

COUNTY OF _____

Before me, the undersigned authority, on this day personally appeared MAX W. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

My Commission Expires: _____

Notary Public in and for _____ County, New Mexico
Printed Name: _____

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared JAMES N. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 22nd day of July, 1987.

My Commission Expires: August 11, 1990

Kayla A. Pratt
Notary Public in and for _____
Printed Name: KAYLA A. PRATT

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared CHARLES H. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 22nd day of July, 1987.

My Commission Expires: August 11, 1990

Kayla A. Pratt
Notary Public in and for Chaves County, New Mexico
Printed Name: KAYLA A. PRATT

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared JON F. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 22nd day of July, 1987.

Kayla G. Pratt
Notary Public in and for Chaves
County, New Mexico
Printed Name: KAYLA A. PRATT

My Commission Expires:
August 11, 1990

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM S. MARSHALL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me the undersigned authority, on this day personally appeared CLARENCE R. CHANDLER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

STATE OF NEW MEXICO

COUNTY OF CHAVES

Before me, the undersigned authority, on this day personally appeared JON F. COLL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for Chaves
County, New Mexico
Printed Name: _____

My Commission Expires:

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM S. MARSHALL, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 27th day of May, 1987.



GINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Gina L. Hickman

Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me the undersigned authority, on this day personally appeared CLARENCE R. CHANDLER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 27th day of May, 1987.



GINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Gina L. Hickman

Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared ROBERT H. RITCHIE, known to me to be person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 27th day of May, 1987.



GINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Gina L. Hickman
Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared JOHN YURONKA, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

My Commission Expires: _____

Notary Public in and for the
State of Texas
Printed Name: _____

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM J. PARSONS, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

My Commission Expires: _____

Notary Public in and for the
State of Texas
Printed Name: _____

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared ROBERT H. RITCHIE, known to me to be person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared JOHN YURONKA, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the 15th day of June, 1987.

Laren A. Steere
Notary Public in and for the
State of Texas

Printed Name: LAREN A STEERE

My Commission Expires:
3-26-88

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM J. PARSONS, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

Printed Name: _____

My Commission Expires:

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared ROBERT H. RITCHIE, known to me to be person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared JOHN YURONKA, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this the _____ day of _____, 1987.

Notary Public in and for the
State of Texas
Printed Name: _____

My Commission Expires:

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared WILLIAM J. PARSONS, known to me to be the person whose name is subscribed to the foregoing instrument, known to me to be the President of MACHPANE ENERGY, INC., and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 29th day of May, 1987.

Worothy Landry
Notary Public in and for the
State of Texas
Printed Name: WOROTHY LANDRY

My Commission Expires:
June 23, 1988

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared CLARENCE R. CHANDLER, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the Vice President of MAR-WIN DEVELOPMENT CO., and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 1st day of June, 1987.



CINA L. HICKMAN
Notary Public, State of Texas
My Commission Expires October 2, 1988

Cina L. Hickman
Notary Public in and for the
State of Texas

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 1st day of March, 1987.

OPERATOR

JOHN YURONKA

By: _____

NON-OPERATORS

AMERADA HESS CORPORATION ✓

Charles C. Stanford
Attorney in Fact

Charles H. Coll

Max W. Coll

James N. Coll

Joan F. Coll

John Yuronka

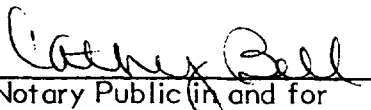
William J. Parsons

STATE OF TEXAS)
) SS:
COUNTY OF HARRIS)

Before me, the undersigned authority, on this day personally appeared CHARLES C. STANFORD, known to me to be the person whose name is subscribed to the foregoing instrument, and known to me to be the ATTORNEY-IN-FACT of AMERADA HESS CORPORATION, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed, and as the act and deed of said corporation.

Given under my hand and seal of office this the 27th day of April, A. D., 1987.

My Commission Expires:
February 9, 1989


Notary Public in and for
Harris County, Texas

CATHY BELL
Notary Public, State of Texas
My Commission Expires February 9, 1989
Bonded by Lovett Agency, Lloyds Surety Corp.

EXHIBIT "A"

Attached to and made a part of that certain Operating Agreement dated March 1, 1987, by and among Marshall & Winston, Inc., as Operator, and Amerada Hess Corporation, et al, as Non-Operators

1. Lands Subject to Agreement:

The Contract Area shall include and be comprised of all hydrocarbon substances in all formations and depths set forth under Paragraph (2) below under the following lands situated in Lea County, New Mexico:

Township 12 South, Range 38 East
Section 6: Lots 11, 12, 13, 14

2. Hydrocarbon Substances, Formations and Depths covered by Agreement:

From the surface down to, and including 100' below the total depth drilled.

3. Percentage of Fractional Interest of the Parties:

	INITIAL WELL			SUBSEQUENT WELLS	
	BPO	APO (1)	APO (2)	IF AHC LEASES	IF AHC JOINS
M&W	78.06250%	62.45000%	60.127297%	62.45000%	27.390353%
AHC	0.00000%	0.00000%	12.500000%	0.00000%	50.000000%
Exxon	1.56250%	1.56250%	1.562500%	1.56250%	1.562500%
Max Coll	2.34375%	2.34375%	2.343750%	2.34375%	2.343750%
James Coll	2.34375%	2.34375%	2.343750%	2.34375%	2.343750%
Chas. Coll	2.34375%	2.34375%	2.343750%	2.34375%	2.343750%
Jon Coll	2.34375%	2.34375%	2.343750%	2.34375%	2.343750%
Marshall	2.00000%	1.60000%	1.540491%	1.60000%	0.701754%
Chandler	2.00000%	1.60000%	1.540491%	1.60000%	0.701754%
Ritchie	2.00000%	1.60000%	1.540491%	1.60000%	0.701754%
Yuronka	0.00000%	8.90625%	3.981250%	8.90625%	3.906250%
Machpane	0.00000%	8.90625%	3.981250%	8.90625%	3.906250%
Mar-Win	5.00000%	4.00000%	3.851230%	4.00000%	1.754385%
	100.00000%	100.00000%	100.000000%	100.00000%	100.000000%

- (1) If Amerada Hess Corporation retains its royalty interest.
- (2) If Amerada Hess Corporation converts portion of royalty interest to working interest.

4. Oil and Gas Leases Subject to This Agreement:

A. By and between Annette Reese Quintana, Lessor, and John T. Echols, Lessee, dated November 16, 1984.

B. By and between N. Randolph Reese, Lessor, and John T. Echols, Lessee, dated November 16, 1984.

C. By and between Bonnie Bell Phillips, Personal Representative of the Estate of Edna L. Bundy, Deceased, Lessor, and G. B. Crawford, Lessee, dated February 26, 1985.

D. By and between the Republic Bank Dallas N.A., Trustee of the Selma E. Andrews Trust, Lessor, and William J. Parsons, Lessee, dated September 22, 1986.

E. By and between Jonathan S. Vordermark, Lessor, and Exxon Corporation, Lessee, dated September 8, 1986.

F. By and between David Q. Vordermark, Lessor, and Exxon Corporation, Lessee, dated August 5, 1986.

G. Braille Institute of America, Lessor, and William J. Parsons, Lessee, dated September 22, 1986.

H. M Ranch Inc., Trustee for C.B.M. Trust, et al, Lessors, and John Yuronka, et al, Lessees, dated April 23, 1987.

5. Addresses of Parties to This Agreement:

Marshall & Winston, Inc.
310 West Tower
10 Desta Drive
Midland, Texas 79705
(915) 684-6373

Amerada Hess Corporation
1200 Milam Street, 7th Floor
Houston, Texas 77002-5681
(713) 658-9770
Attn: Land Manager, Central Division

Exxon Corporation
P. O. Box 1600
Midland, Texas 79702-1600
(915) 683-0101
Attn: Ms. Martha Radke

Max W. Coll
P. O. Box EE
Santa Fe, New Mexico 87501
(505) 982-2286
982-4349

James N. Coll
P. O. Box 1818
Roswell, New Mexico 88201
(505) 624-2020

Charles H. Coll
P. O. Box 1818
Roswell, New Mexico 88201
(505) 624-2020
622-5440

Jon F. Coll
P. O. Box 1818
Roswell, New Mexico 88201
(505) 624-2020

William S. Marshall
310 West Tower
10 Desta Drive
Midland, Texas 79705
(915) 684-6373

Clarence R. Chandler
310 West Tower
10 Desta Drive
Midland, Texas 79705
(915) 684-6373

Robert H. Ritchie
310 West Tower
10 Desta Drive
Midland, Texas 79705
(915) 684-6373

John Yuronka
807 Petroleum Building
Midland, Texas 79701
(915) 684-6223

Machpane Energy Inc.
317 Building of the Southwest
Midland, Texas 79701
(915) 683-3060

Mar-Win Development Co.
310 West Tower
10 Desta Drive
Midland, Texas 79705
(915) 684-6373

EXHIBIT A-1

Well Information Requirements and Contacts
 Attached to and made a part of that certain
 Joint Operating Agreement, dated March 1, 1987
 by and among Marshall & Winston, Inc. and
 Amerada Hess Corporation

Date: _____

OPERATOR	Marshall & Winston, Inc.
LEASE NAME AND NUMBER	
LOCATION	
COUNTY	Lea
STATE	New Mexico

AMERADA HESS CORPORATION 1200 Milam Entex Building, 7th Floor Houston, TX 77002-5681 Attention: Henry S. Sanchez (713) 951-5688
DAILY PROGRESS REPORTS TO BE TELEPHONED TO: AMERADA HESS CORPORATION Attention: Cyndy Friday (713) 951-5685
AMERADA HESS CORPORATION P. O. Box 2040 Tulsa, Oklahoma 74102 Attention: (918) 599-4200

STATE AND FEDERAL GOVERNMENT REPORTS, PLATS, AND APPLICATIONS	WELL PROGNOSIS	DAILY PROGRESS REPORT	WEEKLY PROGRESS REPORT	ELECTRIC LOGS (Field Print)	ELECTRIC LOGS (Final Print)	MUD LOGS (Field Print)	MUD LOGS (Final Print)	REPORTS - DST, CORE, SAMPLE, GEOLOGICAL	PHONE CALL - PRIOR TO DST, CORES, LOGGING, PLUGGING	PHONE CALL - RESULTS OF DST. CORES, LOGGING, ETC.	SAMPLE CUTTINGS	CORE SLAB	FLUID SAMPLE	FLUID ANALYSIS
1	1	1	1	1	1	1	1	1			1	1	1	1
			X											
	2	1	2	2	1	2	2							2

EXHIBIT "B"
OIL AND GAS LEASE

This Agreement made this day of _____, 1987,
between Amerada Hess Corporation, A Delaware Corporation
1200 Milam, Entex Building, 7th Floor
Houston, Texas 77002-5681,
herein called Lessor (whether one or more), and Marshall & Winston, Inc.,
Lessee:

1. Lessor, in consideration of Ten Dollars (\$10.00) and Other
Good and Valuable Consideration

in hand paid, receipt of which is here acknowledged, hereby grants, leases and lets exclusively unto Lessee for the purpose of investigating, exploration, prospecting, drilling, mining and operating for and producing oil or gas (including therein condensate, distillate and all other related liquid or gaseous hydrocarbons), laying pipelines, storing oil, building tanks, telephone lines, and other structures and things thereon to produce, save, treat, process, store and transport said minerals and their respective constituent products, and specified minerals in the following described land situated in Lea County, State of New Mexico

2. Subject to the other provisions herein contained, this lease shall remain in force for a term of Six (6) Months

(called "primary term"), and as long thereafter as oil, gas and liquid hydrocarbons, or any of them, is produced from said land.

3. The royalties to be paid by Lessee are:

(a) 1/4 of 8/8ths of all oil and other liquid hydrocarbons produced and saved from said land, same to be delivered free of cost at the wells or to the credit of Lessor in the pipeline to which the wells may be connected;

(b) 1/4 of 8/8ths of the gas, including casinghead gas and other gaseous substances sold by Lessee, of the net proceeds realized by Lessee from the sale thereof, as calculated at the wellhead; and if gas, including casinghead gas and other gaseous substances, is used off the above-described land, 1/4 of 8/8ths of the market value calculated at the wellhead.

4. This lease is subject to and shall be construed as containing all the provisions of that certain Joint Operating agreement dated _____ copy of which is in the Lessor's possession.
5. The rights of either party hereunder may be assigned in whole or in part and the provisions hereof shall extend to the assignee, his heirs, executors, administrators, successors and assigns, but no change or division in ownership of the land or royalties, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee. No change or division in the ownership of the land or royalties shall be binding upon Lessee for any purpose until after the person acquiring any interest has furnished Lessee with the instrument or instruments, or certified copies thereof, constituting his chain of title from the original Lessor.
6. Lessee may at any time release this lease as to any stratum or strata and as to part or all of the lands above described.
7. If Lessor owns a less interest in the above-described land(s) than the entire and undivided fee simple estate herein, then the royalties herein provided shall be paid to Lessor only in proportion which the Lessor's interest bears to the whole and undivided fee.
8. This lease is executed with no express or implied warranty of title.

EXECUTED this _____ day of _____, 19__.

AMERADA HESS CORPORATION

Charles C. Stanford
Attorney-in-Fact

EXHIBIT " C "

Attached to and made a part of that certain Joint Operating Agreement dated March 1, 1987, by and among Marshall & Winston, Inc. and Amerada Hess Corporation.

ACCOUNTING PROCEDURE
JOINT OPERATIONS

I. GENERAL PROVISIONS

1. Definitions

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

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

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

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

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

"Parties" shall mean Operator and Non-Operators.

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

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

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

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

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

2. Statement and Billings

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

3. Advances and Payments by Non-Operators

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

B. Each Non-Operator shall pay its proportion of all bills within fifteen (15) days after receipt. If payment is not made within such time, the unpaid balance shall bear interest monthly at the prime rate in effect at Chase Manhattan Bank of New York on the first day of the month in which delinquency occurs plus 1% or the maximum contract rate permitted by the applicable usury laws in the state in which the Joint Property is located, whichever is the lesser, plus attorney's fees, court costs, and other costs in connection with the collection of 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. A Non-Operator, upon notice in writing to Operator and all other Non-Operators, shall have the right to audit Operator's accounts and records relating to the Joint Account for any calendar year within the twenty-four (24) month period following the end of such calendar year; provided, however, the making of an audit shall not extend the time for the taking of written exception to and the adjustments of accounts as provided for in Paragraph 4 of this Section I. Where there are two or more Non-Operators, the Non-Operators shall make every reasonable effort to conduct a joint audit in a manner which will result in a minimum of inconvenience to the Operator. Operator shall bear no portion of the Non-Operators' audit cost incurred under this paragraph unless agreed to by the Operator. The audits shall not be conducted more than once each year without prior approval of Operator, except upon the resignation or removal of the Operator, and shall be made at the expense of those Non-Operators approving such audit.
- B. The Operator shall reply in writing to an audit report within 180 days after receipt of such report.

6. Approval By Non-Operators

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

II. DIRECT CHARGES

Operator shall charge the Joint Account with the following items:

1. Ecological and Environmental

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

2. Rentals and Royalties

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

3. Labor

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

4. Employee Benefits

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

5. Material

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

6. 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 where like material is normally available or railway receiving point nearest the Joint Property unless agreed to by the Parties.

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

7. Services

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

8. Equipment and Facilities Furnished By Operator

A. Operator shall 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 gross investment less accumulated depreciation not to exceed eight percent (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 8A above, Operator may elect to use average commercial rates prevailing in the immediate area of the Joint Property less 20%. For automotive equipment, Operator may elect to use rates published by the Petroleum Motor Transport Association.

9. Damages and Losses to Joint Property

All costs or expenses necessary for the repair or replacement of Joint Property made necessary because of damages or losses incurred by 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.

10. Legal Expense

Expense of handling, investigating and settling litigation or claims, discharging of liens, payment of judgements 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.

11. 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. 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.

12. 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 Worker's Compensation and/or Employers Liability under the respective state's laws, Operator may, at its election, include the risk under its self-insurance program and in that event, Operator shall include a charge at Operator's cost not to exceed manual rates.

13. Abandonment and Reclamation

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

14. Communications

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

15. 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 of direct benefit to the Joint Property and 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:

(X) 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 3A, 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:

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

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

(X) shall be covered by the overhead rates, or
 () 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 \$ 4,500
 (Prorated for less than a full month)

Producing Well Rate \$ 450

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

(a) Drilling Well Rate

- (1) Charges for drilling wells shall begin on the date the well is spudded and terminate on the date the drilling rig, completion rig, or other units used in completion of the well is released, whichever is later, except that no charge shall be made during suspension of drilling or completion operations for fifteen (15) or more consecutive calendar days.
- (2) Charges for wells undergoing any type of workover or recompletion for a period of five (5) consecutive work 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 or other units used in workover, commence through date of rig or other unit release, except that no charge shall be made during suspension of operations for fifteen (15) or more consecutive calendar 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 shall be made for the month in which plugging and abandonment operations are completed on any well. This one-well charge shall be made whether or not the well has produced except when drilling well rate applies.
- (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 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 10 of Section II and all salvage credits.~~~~(b) Operating~~~~_____ Percent (_____ %) of the cost of operating the Joint Property exclusive of costs provided under Paragraphs 2 and 10 of Section II, all salvage credits, the value of injected substances purchased for secondary recovery and all taxes and assessments which are levied, assessed and paid upon the mineral interest in 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 rig and crew capable of drilling to the producing interval on the Joint Property; 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 \$ _____ :

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

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

3. Catastrophe Overhead

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

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

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

4. Amendment of Rates

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

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

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

1. Purchases

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

2. Transfers and Dispositions

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

A. New Material (Condition A)

(1) Tubular Goods Other than Line Pipe

- (a) Tubular goods, sized 2 $\frac{3}{8}$ inches OD and larger, except line pipe, shall be priced at Eastern mill published carload base prices effective as of date of movement plus transportation cost using the 80,000 pound carload weight basis to the railway receiving point nearest the Joint Property for which published rail rates for tubular goods exist. If the 80,000 pound rail rate is not offered, the 70,000 pound or 90,000 pound rail rate may be used. Freight charges for tubing will be calculated from Lorain, Ohio and casing from Youngstown, Ohio.
- (b) For grades which are special to one mill only, prices shall be computed at the mill base of that mill plus transportation cost from that mill to the railway receiving point nearest the Joint Property as provided above in Paragraph 2.A.(1)(a). For transportation cost from points other than Eastern mills, the 30,000 pound Oil Field Haulers Association interstate truck rate shall be used.
- (c) Special end finish tubular goods shall be priced at the lowest published out-of-stock price, f.o.b. Houston, Texas, plus transportation cost, using Oil Field Haulers Association interstate 30,000 pound truck rate, to the railway receiving point nearest the Joint Property.
- (d) Macaroni tubing (size less than 2 $\frac{3}{8}$ inch OD) shall be priced at the lowest published out-of-stock prices f.o.b. the supplier plus transportation costs, using the Oil Field Haulers Association interstate truck rate per weight of tubing transferred, to the railway receiving point nearest the Joint Property.

(2) Line Pipe

- (a) Line pipe movements (except size 24 inch OD and larger with walls $\frac{3}{4}$ inch and over) 30,000 pounds or more shall be priced under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
 - (b) Line pipe movements (except size 24 inch OD and larger with walls $\frac{3}{4}$ inch and over) less than 30,000 pounds shall be priced at Eastern mill published carload base prices effective as of date of shipment, plus 20 percent, plus transportation costs based on freight rates as set forth under provisions of tubular goods pricing in Paragraph A.(1)(a) as provided above. Freight charges shall be calculated from Lorain, Ohio.
 - (c) Line pipe 24 inch OD and over and $\frac{3}{4}$ inch wall and larger shall be priced f.o.b. the point of manufacture at current new published prices plus transportation cost to the railway receiving point nearest the Joint Property.
 - (d) Line pipe, including fabricated line pipe, drive pipe and conduit not listed on published price lists shall be priced at quoted prices plus freight to the railway receiving point nearest the Joint Property or at prices agreed to by the Parties.
- (3) Other Material shall be priced at the current new price, in effect at date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property.
- (4) Unused new Material, except tubular goods, moved from the Joint Property shall be priced at the current new price, in effect on date of movement, as listed by a reliable supply store nearest the Joint Property, or point of manufacture, plus transportation costs, if applicable, to the railway receiving point nearest the Joint Property. Unused new tubulars will be priced as provided above in Paragraph 2 A (1) and (2).

B. Good Used Material (Condition B)

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

(1) Material moved to the Joint Property

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

(2) Material used on and moved from the Joint Property

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

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

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

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

C. Other Used Material

(1) Condition C

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

(2) Condition D

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

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

(3) Condition E

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

D. Obsolete Material

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

E. Pricing Conditions

- (1) Loading or unloading costs may be charged to the Joint Account at the rate of ~~twenty-five cents (25¢)~~ ^{fifteen cents (15¢)} per hundred weight on all tubular goods movements, in lieu of actual loading or unloading costs sustained at the stocking point. The above rate shall be adjusted as of the first day of April each year following January 1, 1985 by the same percentage increase or decrease used to adjust overhead rates in Section III, Paragraph 1.A(3). Each year, the rate calculated shall be rounded to the nearest cent and shall be the rate in effect until the first day of April next year. Such rate shall be published each year by the Council of Petroleum Accountants Societies.
- (2) Material involving erection costs shall be charged at applicable percentage of the current knocked-down price of new Material.

3. Premium Prices

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

4. Warranty of Material Furnished By Operator

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

V. INVENTORIES

The Operator shall maintain detailed records of Controllable Material.

1. Periodic Inventories, Notice and Representation

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

2. Reconciliation and Adjustment of Inventories

Adjustments to the Joint Account resulting from the reconciliation of a physical inventory shall be made within six months following the taking of the inventory. Inventory adjustments shall be made by Operator to the Joint Account for 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, change of interest, or change of Operator in the Joint Property. It shall be the duty of the party selling to notify all other Parties as quickly as possible after the transfer of interest takes place. In such cases, both the seller and the purchaser shall be governed by such inventory. In cases involving a change of Operator, all Parties shall be governed by such inventory.

4. Expense of Conducting Inventories

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

Return Original of
Completed Certificate to:
AMERADA HESS CORPORATION
Planning and Control
P. O. Box 2040
Tulsa, Oklahoma 74102

ONLY AN AMERADA HESS CORPORATION
CERTIFICATE OF INSURANCE
WILL BE ACCEPTED.
(EXCEPT OKLAHOMA)

CERTIFICATE OF INSURANCE
TO
AMERADA HESS CORPORATION

This is to certify that the policies of insurance as described below have been issued to the insured by the undersigned and are in force at this time. If these policies are cancelled or changed in such a manner that will affect this certificate, the insurance company agrees to give ten days prior written notice, by mail, to Amerada Hess Corporation, Planning and Control, P. O. Box 2040, Tulsa, Oklahoma 74102.

NAME OF INSURED			
ADDRESS OF INSURED	CITY	STATE	ZIP CODE
LIST LOCATION OF INSURED OPERATIONS (STATES)			
DESCRIPTION OF OPERATIONS			

Policies in Force	Policy Number	Date		Limits of Liability
		Effective	Expiration	
A. Workmen's Compensation				Statutory
Employers' Liability				\$ _____ per occurrence
B. Public Liability				
Bodily Injury:				
Manufacturers and Contractors <input type="checkbox"/>				\$ _____ per occurrence
Comprehensive General <input type="checkbox"/>				\$ _____ aggregate
Property Damage				\$ _____ per occurrence
C. The Hold Harmless provision set forth in contract between insured and Amerada Hess Corporation (which is substantially similar to the Hold Harmless Agreement shown on reverse side) is insured by the above policy in accordance with approved procedures. () Yes () No				
D. Automobile Liability				
Bodily Injury				\$ _____ per person
Property Damage				\$ _____ per occurrence
Does policy cover				
All owned automobiles				() Yes () No
Non-owned automobiles				() Yes () No
Hired automobiles				() Yes () No

E. Remarks

(Signed) _____ Insurance Company

Address _____

Date _____

By _____ Signature of Authorized Representative

**AMERADA HESS CORPORATION
MINIMUM INSURANCE REQUIREMENTS**

**DRILLING AND RE-DRILLING, WELL SERVICING,
CEMENTING, FRACTURING, ACIDIZING, SHOT HOLE,
SEISMOGRAPH OR OTHER MAJOR CONTRACTORS**

Workmen's Compensation	Statutory requirements
Employers' Liability	\$ 100,000
Public Liability:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Automobile:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Hold Harmless Agreement	Insured

PARTNERSHIP OPERATIONS

Workmen's Compensation	Statutory requirements
Employers' Liability	\$ 100,000
Public Liability:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Automobile:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000

ACREAGE CONTRIBUTIONS AND FARMOUT AGREEMENTS OR CONTRACTS

Workmen's Compensation	Statutory requirements
Employers' Liability	\$ 100,000
Public Liability:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Automobile:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Hold Harmless Agreement	Insured

OTHER CONTRACTORS

Workmen's Compensation	Statutory requirements
Employers' Liability	\$ 100,000
Public Liability:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Automobile:	
Bodily Injury	\$ 100 / 300,000
Property Damage	\$ 100,000
Hold Harmless Agreement	Insured

HOLD HARMLESS AGREEMENT

The Hold Harmless agreement set forth in the contract is substantially similar to the following:
 "The contractor agrees to protect, defend, indemnify and save harmless Amerada Hess against loss, damage or expense by reason of any suits, claims, demands, judgments and causes of action caused by contractor, his employees, agents or any subcontractor, arising out of or in consequence of the performance of this contract, except that in no instance shall contractor be held responsible for reservoir loss or damage, nor for any liability, claim, demand, or cause of action attributable solely to the negligence of Amerada Hess. This indemnity agreement is subject to any restrictions or limitations imposed by law but only to the extent of such restrictions or limitations."

EXHIBIT "E"
GAS BALANCING AGREEMENT

Attached to and made a part of that certain Operating Agreement dated March 1, 1987

by and among Marshall & Winston, Inc. and Amerada Hess Corporation

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 Joint Operating
AGREEMENT DATED March 1, 1987 BY AND (BETWEEN) (AMONG)
Marshall & Winston, Inc. and Amerada Hess Corporation

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.