

State of New Mexico
Commissioner of Public Lands

#7399

W. R. Humphries
COMMISSIONER

April 27, 1990

Advisory Board

George Clark
Chairman

Kristin Conniff
Vice Chairman

Melvin Cordova

Joe Kelly

Robert Portillos

Nancy Lynch Vigil

Rex Wilson

Texaco USA
P.O. Box 3109
Midland, Texas 79702

ATTN: S.G. Snyder

RE: North Vacuum Abo West Unit
1990 Plan of Development

Gentlemen:

The Commissioner of Public Lands has this date approved the 1990 Plan of Development for the North Vacuum Abo West Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the Unit may exist. You will be contacted at a later date regarding these possibilities.

Enclosed is an approved copy of the 1990 Plan of Development for your files. If we may be of further help, please do not hesitate to contact this office at (505) 827-5746.

Very truly yours,

W.R. HUMPHRIES,
COMMISSIONER OF PUBLIC LANDS

BY:

Floyd O. Prando

FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5746

cc: OCD - Santa Fe, New Mexico
BLM
Unit Correspondence File
Unit P.O.D. File

WRH/FOP/SMH



Texaco USA
Producing Department
Midland Division

P. O. Box 9100
Midland TX 79702

~~#4830~~

~~#4830~~

7399

March 28, 1990

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
Oil and Gas Division
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

RE: ~~NORTH VACUUM ABO WEST UNIT~~
PLANS OF DEVELOPMENT
LEA COUNTY, NEW MEXICO

Gentlemen:

Texaco, as operator of the North Vacuum Abo West Unit respectfully submits for your approval a report of past operations and a plan of operation and development for 1990.

PAST OPERATIONS

Abo production at Vacuum Field was established in October, 1960 with the completion of the Vac Edge Unit Well No. 2, operated by Standard Oil Company of Texas. However, the first well in the present North Vacuum Abo West Unit Area was not completed until April, 1971. Aztec O&G potentialed the State NV No. 1 (Section 15-T17S-R34E) flowing 260 BOPD from 8774 feet-8812 feet.

The North Vacuum Abo West Unit area was developed primarily in 1971 and 1972 when 21 wells were drilled on 80-acre spacing. Four additional wells were drilled between 1973 and 1979.

The unitization agreement for the North Vacuum Abo West Unit became effective on March 1, 1982, and water injection began on January 1, 1985. Prior to unitization, cumulative oil production from the Unit Area was 1,724,552 barrels. As of January 1, 1990 and since unitization, 465,544 BO have been produced and 1,927,331 BW have been injected.

New Mexico Oil Conservation
Division, Commissioner of
Public Lands

- 2 -

March 28, 1990

Average production from the Unit in December, 1989 was 165 BOPD, 61 MCFPD, and 6 BWPD. The average injection rate was 383 BWPD at a maximum injection pressure of 1,400 psi. There are currently 12 producing wells and 13 injection wells at North Vacuum Abo West Unit.

DEVELOPMENT PLANS FOR 1990:

Texaco has no plans for development drilling in the North Vacuum Abo West Unit in 1990. Operations within the unit for 1990 will include continuous monitoring and optimization of unit production through the use of injection surveys, stimulations, and cleanouts. Equipment modifications, well workovers, and plugging will be performed as necessary.

Yours very truly,

Texaco Inc.



S. G. Snyder
Portfolio Manager

JFG/srt

file
chrono

TEXACO INC.

WEST REGION

MIDLAND DIVISION

MONTH ENDING 01-31-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION
(2) JOINTLY OWNED AND OPERATED BY TEXACO					

SEQUENCE NUMBER	API NUMBER
12100800	3002525652
12100800	
12100800	
12100800	
12100900	3002524679
12101000	3002524495
12101100	3002523735
12101200	3002524112
12101300	3002524026
12101400	3002525311
12101500	3002524061
12101600	3002524064
12101700	3002524062
12101800	3002524019
12101900	3002524032
12102000	3002524046
12102100	3002523944
12102200	3002523905
12102300	3002524047
12102400	3002523835
12102500	3002523887
12102600	3002523880
12102700	3002523915

322 NORTH VACUUM ABO WEST
 UNIT
 003000061020322
 TEXACO WI = 42.3277300

1	PM					12100800	3002525652
2	INJ					12100900	3002524679
3	PM					12101000	3002524495
4	INJ					12101100	3002523735
5	PM					12101200	3002524112
6	INJ					12101300	3002524026
7	INJ					12101400	3002525311
8	PM					12101500	3002524061
9	PM					12101600	3002524064
10	INJ					12101700	3002524062
11	INJ					12101800	3002524019
12	INJ					12101900	3002524032
13	PM					12102000	3002524046
14	PM					12102100	3002523944
15	PM					12102200	3002523905
16	INJ					12102300	3002524047
17	INJ					12102400	3002523835
18	INJ					12102500	3002523887
19	PM					12102600	3002523880
20	PM					12102700	3002523915

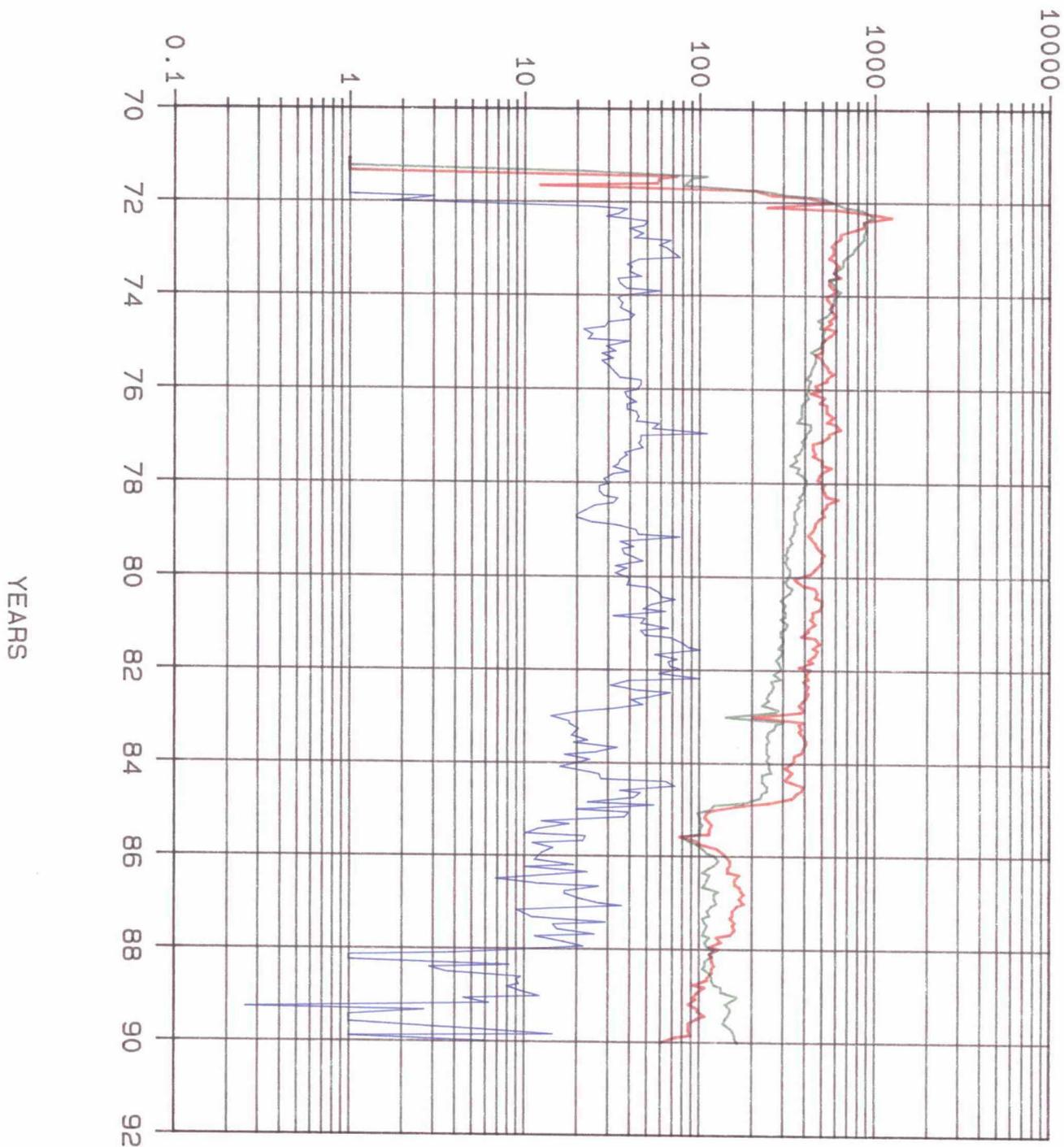
TEXACO INC.

WEST REGION MIDLAND DIVISION MONTH ENDING 01-31-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
		21	INJ			12102800	3002523917
		22	INJ			12102900	3002523916
		23	PM			12103000	3002524050
		24	PM			12103100	3002524087
		25	INJ			12103200	3002524089
770	VACUUM COOP. INJ. SYSTEM 003000061020770	65	INJ	VGSA #65 LEASE LINE VGSA-50%, WVU-50%		12103300 12103300 12103300 12103300	3002527975
	TEXACO WI = 81.0511300						
771	VACUUM COOP. INJ. SYSTEM 003000061020771	62	INJ	VGSA #62 LEASE LINE VGSA-75%, PHILL.25%		12103400 12103400 12103400 12103400	3002527973
	TEXACO WI = 75.0000000						
772	VACUUM COOP. INJ. SYSTEM 003000061020772	63	INJ	VGSA #63 LEASE LINE VGSA-50%, PHILL.50%		12103500 12103500 12103500 12103500	3002527974
	TEXACO WI = 50.0000000						
773	VACUUM COOP. INJ. SYSTEM 003000061020773	67	INJ	VGSA #67 LEASE LINE VGSA-25%, WVU-50% PHILL.-25%		12103600 12103600 12103600 12103600 12103600	3002527976
	TEXACO WI = 56.0511300						
780	VACUUM COOP. INJ. SYSTEM 003000061020780	55	INJ	W.V.U. #55		12103700 12103700	3002528116

SUB-AREA -6102 HOBBS-BUCKEYE SUB-AREA

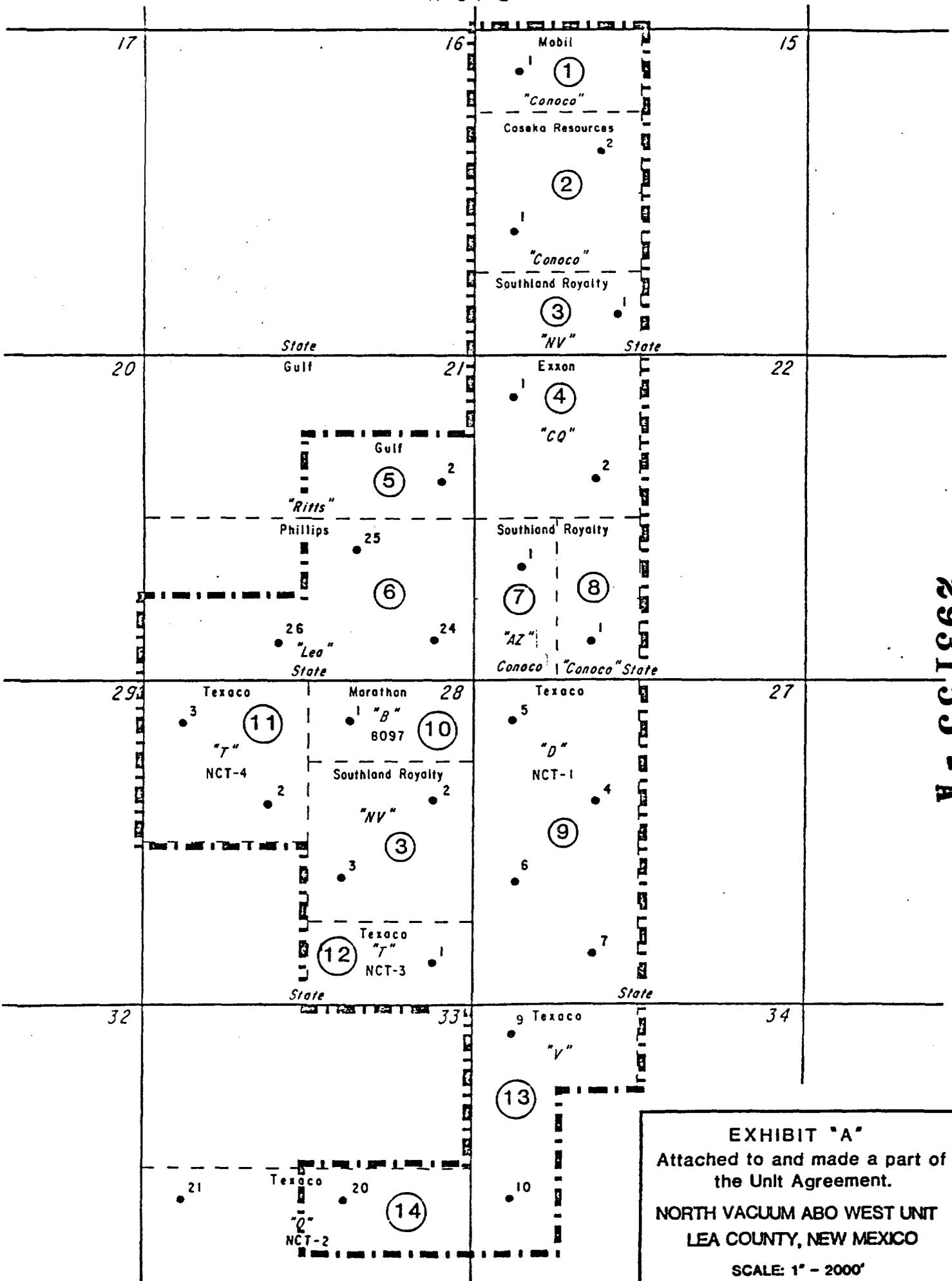
NORTH VACUUM ABO WEST UNIT



BOPD WHPD MCFPD

LEASE DATA
 LSE 857947
 FLD
 OPER
 ZONE
 --
 COUNTY
 STATE
 STATUS
 CO 2191 MB0
 CG 2585 MMCF
 BOPD 165
 WHPD 6
 MCFPD 61
 WELLS 25

R-34-E



T-17 S
293155 - A

EXHIBIT "A"
 Attached to and made a part of
 the Unit Agreement.
NORTH VACUUM ABO WEST UNIT
LEA COUNTY, NEW MEXICO
 SCALE: 1" = 2000'
 7-25-80

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
1	Conoco State T-17-S, R-34-E Sec. 15: N $\frac{1}{2}$ NW $\frac{1}{4}$	80	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 12.5%	Mobil Producing Texas & New Mexico Inc.	88.34199	4.56239	3.78429
							Shell Western E & P Inc.	8.25329	0.42624	0.35354
							Texaco Inc.	1.58749	0.08198	0.06800
							Amerada Hess Corp.	1.03667	0.05354	0.04441
							KEC Acq. Corp.	0.19778	0.01021	0.00847
							M & B Investment Co.	0.14128	0.00729	0.00605
							Ladd Petroleum Corp.	0.08477	0.00438	0.00363
							R. W. Keener	0.02825	0.00146	0.00121
							Wesley T. House	0.08831	0.00456	0.00378
							E. H. Holcomb	0.07064	0.00365	0.00303
							J. A. Davidson	0.02825	0.00146	0.00121
							Gracia Barr Andersen, Trustee of the Gracia Barr Andersen Trust	0.07064	0.00365	0.00303

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
							David K. Watkiss	0.04238	0.00219	0.00182
							Francis S. Williams	<u>0.02826</u>	<u>0.00146</u>	<u>0.00121</u>
								100.00000	5.16446	4.28368
2	Conoco State T-17-S, R-34-E Sec. 15: S $\frac{1}{2}$ NW $\frac{1}{4}$ & N $\frac{1}{2}$ SW $\frac{1}{4}$	160	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 18.50% Paul M. Mershon, Jr. 2.00% Vincent E. Shyrack 2.00%	Amerada Hess Corp.	0.05672	0.00318	0.00183
							Gracia Barr Andersen, Trustee of the Gracia Barr Andersen Trust	0.00387	0.00022	0.00012
							Chevron U.S.A. Inc.	4.04478	0.22675	0.16320
							J.A. Davidson	0.00155	0.00009	0.00005
							Exxon Company U.S.A.	9.08511	0.50932	0.31520
							E. H. Holcomb	0.00387	0.00022	0.00012
							Wesley T. House	0.00483	0.00027	0.00016
							KEC Acquisition Corp.	0.01082	0.00061	0.00035
							R. W. Keener	0.00155	0.00009	0.00005
							Ladd Petroleum Corp.	0.00464	0.00026	0.00015
							M&B Investment Co.	0.00772	0.00043	0.00025
							Marathon Oil Company	4.23666	0.23751	0.17236

(Continued)

EXHIBIT "B"
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 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
2	(Continued)									
							Meridian Oil Inc.	26.53444	1.48754	1.18127
							Mobil Producing Texas & New Mexico Inc.	4.83335	0.27096	0.15601
							Phillips Petroleum Co.	5.87310	0.32925	0.13107
							Shell Western E&P Inc.	0.45155	0.02531	0.01458
							Texaco Inc.	44.84158	2.51385	1.82253
							David K. Watkiss	0.00232	0.00013	0.00007
							Francis S. Williams	<u>0.00154</u>	<u>0.00008</u>	<u>0.00005</u>
								100.00000	5.60607	3.95942
3	State "NW" T-17-S, R-34-E Sec. 15: S½SW¼ & Sec. 28: S½NE¼ & N½SE¼	240	E-8712	State of New Mexico 12.5%	Meridian Oil Inc.	None	Meridian Oil Inc.	100.00000	19.66127	24.17608
4	State "CQ" T-17-S, R-34-E Sec. 22: NW¼	160	B-936	State of New Mexico 12.5%	Exxon Co. U.S.A.	None	Exxon Co. U.S.A.	100.00000	8.57579	7.64546
5	State "RITTS" T-17-S, R-34-E Sec. 21: S½NE¼	80	B-3385-4	State of New Mexico 12.5%	Chevron U.S.A. Inc.	None	Chevron U.S.A. Inc.	100.00000	3.81803	3.95852

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 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
6	State "LEA" T-17-S, R-34-E Sec. 21: SE $\frac{1}{4}$ & S $\frac{1}{2}$ SW $\frac{1}{4}$	240	B-4118	State of New Mexico 12.5%	Phillips Petroleum Co.	None	Phillips Petroleum Co.	100.00000	5.54385	3.17922
7	Conoco State Comm "AZ" T-17-S, R-34-E Sec. 22: W $\frac{1}{2}$ SW $\frac{1}{4}$	80	B-3196 (NW $\frac{1}{4}$ SW $\frac{1}{4}$) E-8712 (SW $\frac{1}{4}$ SW $\frac{1}{4}$)	State of New Mexico 12.5%	Conoco Inc. (B-3196) Meridian Oil Inc. (E-8712)	Conoco Inc. 7.5%	Meridian Oil Inc.	100.00000	2.28669	1.75974
8	Conoco State T-17-S, R-34E Sec. 22: E $\frac{1}{2}$ SW $\frac{1}{4}$	80	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 15%	Meridian Oil Inc.	100.00000	3.09894	2.71724
9	N.M. "D" State NCT-1 T-17-S, R-34-E Sec. 27: W $\frac{1}{2}$	320	B-143-3	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	21.89709	24.85615
10	State "B" T-17-S, R-34-E Sec. 28: N $\frac{1}{2}$ NE $\frac{1}{4}$	80	B-8097	State of New Mexico 12.5%	Marathon Oil Company	None	Marathon Oil Company	100.00000	3.99915	4.18086
11	N.M. "T" State NCT-4 T-17-S, R-34-E Sec. 28: NW $\frac{1}{4}$	160	B-1030-1	State of New Mexico 12.5%	Texaco Prod. Inc.	None	Texaco Producing Inc.	100.00000	4.73415	3.62794
12	N.M. "T" State NCT-3, T-17-S, R-34-E, Sec. 28: S $\frac{1}{2}$ SE $\frac{1}{4}$	80	B-1030-1	State of New Mexico 12.5%	Texaco Prod. Inc.	None	Texaco Producing Inc.	100.00000	7.52729	8.70488

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 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
13	N.M. "V" State T-17-S, R-34-E Sec. 34: N $\frac{1}{2}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ NW $\frac{1}{4}$ & NW $\frac{1}{4}$ SW $\frac{1}{4}$	160	B-871-1	State of New Mexico 12.5%	Texaco Prod. Inc.	None	Texaco Producing Inc.	100.00000	6.22977	5.69854
14	N.M. "O" State NCT-2 T-17-S, R-34-E Sec. 33: N $\frac{1}{2}$ SE $\frac{1}{4}$	80	B-155-1	State of New Mexico 12.5%	Texaco Prod. Inc.	None	Texaco Producing Inc.	100.00000	1.85745	1.25227
		<u>2,000</u>							<u>100.00000</u>	<u>100.00000</u>

#4830

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE
NORTH VACUUM ABO WEST UNIT
COUNTY OF LEA
STATE OF NEW MEXICO

SECOND SCHEDULE OF REVISIONS

Unit Agreement
North Vacuum Abo West Unit

Page 1: Revised the reference to the Act of the Legislature as set forth in lines 2 and 3 of the second "Whereas" paragraph on this page.

Page 1: Added a "WHEREAS" paragraph between the third and fifth "WHEREAS" paragraphs on this page. This additional paragraph refers to the Oil Conservation Division's authorization to approve the Unit Agreement under a certain Act of the Legislature.

Article 12. Plan of Further Development and Operator (Page 6)

Inserted the words "the Division" in two places in lines 24 and 26 of this article and added a second paragraph in Article 12 pertaining to filing the initial plan of operation of the unit with the Commissioner and the Division.

Article 35. Conflict of Supervision (Page 13)

This article has been deleted at the insistence of the Commissioner of Public Lands of the State of New Mexico. As a consequence of this deletion, it was necessary to revise the numbers of Articles 36 through 40. The former Articles 36 through 40 are now identified as Articles 35 through 39.

Article 37. Statutory Unitization (Page 13)

This article was previously numbered Article 38 and has been re-numbered due to the deletion of the former Article 35, Conflict of Supervision, as indicated above. The phrase "save and except the State of New Mexico" has been added in the 3rd line and the words "total" and "in the unit" have been added in fourth line. The citation of the Statutory Unitization Act in the last line has been revised.

Pages iii and iv: Table of Contents

Because of the deletion of Article 35, Page 13, as indicated above, it was necessary to revise pages iii and iv of the Table of Contents.

UNIT AGREEMENT
NORTH VACUUM ABO WEST UNIT
LEA COUNTY, NEW MEXICO

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UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE
NORTH VACUUM ABO WEST UNIT AREA
COUNTY OF LEA
STATE OF NEW MEXICO

THIS AGREEMENT entered into as of the first day of September 1980, by and between the parties subscribing, ratifying, or consenting hereto, and herein referred to as the "parties hereto,"

W I T N E S S E T H:

WHEREAS, the parties hereto are the owners of working, royalty, or other oil and gas interests in the Unit area subject to this agreement, and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Secs. 19-10-45, 46, 47 N.M. Statutes 1978 Annotated) to consent to and approve the development or operation of State lands under agreements made by lessées of State land jointly or severally with other lessees where such agreements provide for the unit operation or development of part of or all of any oil or gas pool, field or area; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 1, Chap. 162, Laws of 1951; Chapter 7, Article 11, Section 41, New Mexico Statutes, 1953 Annotated) to amend with the approval of lessee, evidenced by the Lessee's execution of such agreement or otherwise, any oil and gas lease embracing State lands so that the length of the term of said lease may coincide with the term of such agreements for the unit operation and development of part or all of any oil or gas pool, field or area; and

WHEREAS, the Oil Conservation Division of the State of New Mexico Energy and Minerals Department is authorized by an Act of the Legislature (Chapters 70 and 71, New Mexico Statutes 1978, Annotated) to approve this agreement and the conservation provisions hereof; and,

WHEREAS, the parties hereto hold sufficient interest in the North Vacuum Abo West Unit Area covering land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to enable institution and consummation of additional recovery operations, to conserve natural resources, prevent waste and secure other benefits obtainable through development and operation of the North Vacuum Abo West Unit subject to this agreement under the terms, conditions and limitations herein set forth.

NOW, THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their respective interests in the "Unit Area" and the "Unitized Formation" lying thereunder (as those terms are defined hereinafter) and agree severally among themselves as follows:

1. ENABLING ACT AND REGULATIONS. The oil and gas operating regulations in effect as of the effective date hereto governing drilling and producing operations not inconsistent with the terms hereof or the laws of the State of New Mexico are hereby accepted and made a part of this agreement.

2. DEFINITIONS. For the purpose of this agreement, the following terms and expressions as used herein shall mean:

(a) "Division" means the Oil Conservation Division of the Energy and Minerals Department of the State of New Mexico.

(b) "Commissioner" means the Commissioner of Public Lands of the State of New Mexico.

(c) "Royalty Interest" or "Royalty" means an interest other than a Working Interest in or right to receive a portion of

the Unitized Substances or the proceeds thereof and includes the royalty interest reserved by the lessor by an oil and gas lease and any overriding royalty interest, oil payment interest, net profits contract, or any other payment or burden which does not carry with it the right to search for and produce Unitized Substances.

(d) "Royalty Owner" means the owner of a Royalty Interest.

(e) "Tract" means each parcel of land described as such and given a Tract number in Exhibit B.

(f) "Tract Participation" means the percentage of Unitized Substances allocated to a Tract under this agreement as shown in Exhibit B.

(g) "Unit Area" means the land shown on Exhibit A, and described by Tracts in Exhibit B, encompassing 2,000 acres, more or less.

(h) "Unit Operating Agreement" means any agreement or agreements, whether one or more, entered into either separately or collectively by and between the Unit Operator and the Working Interest Owners, as provided in Section 9, ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT, and shall be styled "Unit Operating Agreement for the Development and Operation of the North Vacuum Abo West Unit Area, County of Lea, State of New Mexico."

(i) "Unit Participation" of a Working Interest Owner is the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

(j) "Unitized Formation" means the Abo Formation identified between the depths of 8,587 feet (minus 4,500 feet subsea) and 8,937 feet (minus 4,850 feet subsea) on the Dresser Atlas Sidewall Neutron-Gamma Ray Log, run on May 4, 1972, in Texaco's New Mexico "T" State (NCT-4) Well No. 3, located 660 feet from the north and west lines of Section 28, T-17-S, R-34-E, Lea County, New Mexico, and is to include all subsurface points throughout the Unit Area correlative to those identified depths.

(k) "Unitized Substances" means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

(l) "Working Interest" means the right to search for, produce and acquire Unitized Substances whether held as an incident of ownership of mineral fee simple title, under an oil and gas lease or otherwise.

(m) "Working Interest Owner" means any party thereto owning a Working Interest, including a carried working interest owner, holding an interest in Unitized Substances by virtue of a lease, operating agreement, fee title or otherwise, which interest is chargeable with and obligated to pay or bear, either in cash or out of production, or otherwise, all or a portion of the cost of drilling, developing and producing the Unitized Substances from the Unitized Formation and the operation thereof hereunder. The owner of oil and gas rights which are free of lease or other instrument conveying the Working Interest to another shall be regarded as a Working Interest Owner to the extent of seven-eighths (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

(n) "Voting Interest" means each Working Interest Owner shall have a voting interest equal to its then Unit Participation.

(o) "Oil and Gas Rights" are the rights to explore, develop, and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.

(p) "Unit Operations" are all operations conducted pursuant to this agreement and the Unit Operating Agreement.

(q) "Unit Equipment" is all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.

(r) "Unit Expense" is all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of Unit Operations.

3. EXHIBITS. The following exhibits, which are attached hereto, are incorporated herein by reference:

EXHIBIT A: is a map that illustrates the boundary lines of the Unit Area and the Tracts therein.

EXHIBIT B: is a schedule that describes each Tract in the Unit Area and sets forth the percentage of participation for each Tract.

Said Schedule shall become effective at 7:00 a.m. on the effective date of this agreement.

It is hereby agreed by all parties to this agreement that Unit Operator is empowered to correct any mathematical or clerical errors which may exist in the pertinent exhibits to this agreement; provided, however, that correction of any error other than correction of mathematical or clerical error shall be made by Unit Operator only after first having obtained approval of Working Interest Owners and the Commissioner. The correction of any error shall not include any re-evaluation of engineering or geological interpretations used in determining "Tract Participation."

Exhibits A and B shall be revised by Unit Operator whenever changes render such revision necessary, and at least two copies of such revision shall be filed with the Commissioner.

4. EXPANSION OF UNIT AREA. The above described Unit Area may, when practicable, be expanded to include therein any additional tract or tracts regarded as reasonably necessary or advisable for the purposes of this agreement, whenever such expansion is necessary or advisable to conform with the purposes of this agreement. Tract Participations resulting from such expansion shall be on a negotiated basis and, after agreement between the affected parties has been reached, such expansion shall be effected in the following manner.

(a) Unit Operator, with concurrence of two or more working interest owners all of whom have at least a combined seventy-five percent (75%) of the then Voting Interest and after preliminary concurrence by the Commissioner and the Division, shall prepare a notice of proposed expansion describing the contemplated changes in the boundaries of the Unit Area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Commissioner and the Division, and copies thereof mailed to the last known address of each Working Interest owner, lessee, and lessor whose interests are affected, advising that 30 days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the Commissioner and the Division evidence of mailing of the notice of expansion and a copy of any objections thereto which have been filed with the Unit Operator, together with an application in sufficient number for approval of such expansion and with appropriate joinders.

(d) After due consideration of all pertinent information, the expansion shall, upon approval by the Commissioner and the Division, become effective as of the date prescribed in the notice thereof.

In any approved expansion of the Unit Area, the revised Tract Participants of those Tracts which were committed prior to each such expansion shall remain in the same ratio one to another.

5. UNITIZED LAND AND UNITIZED SUBSTANCES. All oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid and liquefiable hydrocarbons in the lands committed to this agreement are, as to the Abo Formation, unitized under the terms of this agreement (and are herein called Unitized Substances) and said lands shall constitute lands referred to herein as "unitized land" or "land subject to this agreement."

→ 6. UNIT OPERATOR. TEXACO INC. is hereby designated as the Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided. Whenever reference is made herein to the "Unit Operator," such reference means the Unit Operator acting in that capacity and not as an owner of interest in Unitized Substances, and the term "Working Interest Owner" when used herein shall include or refer to Unit Operator as the owner of a Working Interest when such interest is owned by it.

7. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six (6) months after notice of intention to resign has been served by Unit Operator on all Working Interest Owners and the Commissioner and the Division, and until all wells then drilled hereunder are placed in satisfactory condition for suspension or abandonment, whichever is required by the Division as to State lands, unless a new Unit Operator shall have been selected and approved and shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period.

The resignation of Unit Operator shall not release Unit Operator from any liability or default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may be removed at any time by the affirmative vote of Working Interest Owners having ninety percent (90%) or more of the Voting Interest remaining after excluding the voting interest of the Unit Operator. Such removal shall be effective upon notice thereof to the Commissioner.

In all such instances of resignation or removal, until a successor Unit Operator is selected and approved, as hereinafter provided, the Working Interest Owners shall be jointly responsible for the performance of the duties of Unit Operator and shall, not later than 30 days before such resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

The resignation or removal of Unit Operator under this agreement shall not terminate its right, title or interest as the owner of a Working Interest or other interests in Unitized Substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all equipment, materials, and appurtenances used in conducting the Unit operations owned by the Working Interest Owners to the new duly qualified successor Unit Operator, or to the owner thereof - if no such new Unit Operator is elected, to be used for the purpose of conducting Unit operations hereunder. Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

8. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender his or its resignation as Unit Operator, or shall be removed as hereinabove provided, the Working Interest Owners shall, by affirmative vote of at least sixty-five percent (65%) of the then Voting Interest, select a successor Unit Operator; provided, however, if the Unit Operator that is removed fails to vote or votes only to succeed itself, the successor Unit Operator may be selected by the Affirmative vote of at least fifty-one percent (51%) of the Voting Interest remaining after excluding the voting interest of the Unit Operator that resigned or was removed. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Commissioner may, at his election, declare this Unit Agreement terminated.

9. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. All costs and expenses incurred by Unit Operator in conducting Unit operations hereunder shall be apportioned among, borne and paid by the Working Interest Owners, all in accordance with this agreement and the Unit Operating Agreement. The Unit Operating Agreement shall also provide the manner in which the Working Interest Owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases, or other independent contracts and such other rights and obligations as between Unit Operator and the Working Interest Owners as they may agree upon. However, the Unit Operating Agreement shall not be deemed to modify the terms and conditions of this Unit Agreement or to relieve the Unit Operator of any right or obligation established under this Unit Agreement; in case of any inconsistency or conflict between the Unit Agreement and the Unit Operating Agreement, this agreement shall prevail. One true copy of the Unit Operating Agreement shall be filed with the Commissioner.

10. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. Except as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto (including surface rights) which are necessary or convenient for the prospecting for, producing, storing, allocating, and distributing the Unitized Substances, are hereby granted and delegated to and shall be exercised by the Unit Operator as herein provided. Upon request therefor, acceptable evidence of title to said rights shall be deposited with said Unit Operator and, together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land, lease, Royalty Interest, operating agreement or communitization agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

11. EQUIPMENT AND FACILITIES NOT FIXTURES ATTACHED TO REALTY. Each Working Interest Owner has heretofore placed and used on its Tract or Tracts committed to this agreement, various well and lease

equipment and other property, equipment and facilities. It is also recognized that additional equipment and facilities may hereafter be placed and used upon the Unit Area as now or hereafter constituted. Therefore, for all purposes of this agreement any and all such equipment shall be considered to be personal property and not fixtures attached to realty. Accordingly, said well and lease equipment and personal property is hereby severed from the mineral estates affected by this agreement, and it is agreed that any and all such equipment and personal property shall be and remain personal property for all purposes.

12. PLAN OF FURTHER DEVELOPMENT AND OPERATION. It is recognized and agreed by the parties hereto that the object and purpose of this agreement is to formulate and to put into effect an additional recovery project in order to effect the optimum recovery of Unitized Substances, prevent waste and conserve natural resources. The parties hereto agree that the Unit Operator may, subject to the consent and approval of a plan of operation by the Working Interest Owners, the Commissioner and the Division, inject into the Unitized Formation, through any well or wells completed therein, brine, water, air, gas, oil, liquefied petroleum gas, or any other substance or a combination of any of said substances, whether produced from the Unitized formation or not, and that the location of input wells and the rates of injection therein and the rate of production shall be governed by standards of good geologic and petroleum engineering practices and conservation methods. This agreement is and shall be subject to the conservation laws of the State of New Mexico to the valid rules, regulations and orders of the Commissioner and the Division and to all other applicable federal, state and municipal laws, rules, regulations and orders. The parties hereto, subject to prior rights, if any, grant to Unit Operator the use of brine or water or both from any formation in and under the Unit Area for injection into the Unitized Formation. After commencement of additional recovery operations, Unit Operator shall furnish the Commissioner and the Division monthly injection and production reports for each well in the Unit Area. The Working Interest Owners, the Commissioner, and the Division shall be furnished periodic reports on the progress of the plan of operation and any revisions or changes thereto necessary to meet changed conditions or to protect the interests of all parties to this agreement; provided, however, that any major revisions of the plan of operation involving a basic deviation from the initial plan of operation shall be subject to the consent and approval of the Working Interest Owners, the Commissioner and the Division.

The initial plan of operation shall be filed with the Commissioner and the Division concurrently with the filing of this Unit Agreement for final approval. Reasonable diligence shall be exercised in complying with the obligations of said plan of operations.

13. PARTICIPATION. The Tract Participations shown on Exhibit B attached hereto shall govern the allocation of Unitized Substances on and after the effective date of this Unit Agreement and until the allocation schedule is revised pursuant to this agreement and the revised Tract Participations are approved by the Commissioner of the Division.

The Tract Participation of each tract in the Unit Area, under Phase I and Phase II, as shown on Exhibit A and described in Exhibit B, has been calculated and determined in accordance with the following formulas using data heretofore approved by the Working Interest Owners:

Two Phase Formula:

Phase I - 25% weight to the Tract Percent of usable Unit wells,
30% weight to the Tract Percent of Current Unit production for the period 5-1-79 to 11-1-79,
25% weight to the Tract Percent of cumulative Unit production to 11-1-79,
20% weight to the Tract Percent of remaining Unit primary oil reserves as of 11-1-79

100%

Phase I is to be in effect until the production of 977,447 barrels of oil from the Unit Area after 11-1-79.

Phase II - 100% weight to the Tract percent of
ultimate Unit primary production

Investment - Phase II Unit participation

14. ALLOCATION OF UNITIZED SUBSTANCES. All Unitized Substances produced and saved (less, save and except any part of such Unitized Substances used in conformity with good operating practices on unitized land for drilling, operating, camp and other production or development purposes and for pressure maintenance) shall be apportioned among and allocated to the committed Tracts in accordance with the respective Tract Participations effective hereunder during the respective periods such Unitized Substances were produced, as set forth in the schedule of participation in Exhibit B. The amount of Unitized Substances so allocated to each committed Tract, and only that amount (regardless of whether it be more or less than the amount of the actual production of Unitized Substances from the well or wells, if any, on such Tract), shall, for all intents, uses and purposes, be deemed to have been produced from such Tract.

The Unitized Substances allocated to each such Tract shall be distributed among, or accounted for to, the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions, as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this agreement not been entered into, and with the same legal effect. It is hereby agreed that production of Unitized Substances from any such committed Tract shall be allocated as provided herein regardless of whether oil or gas is being produced from any particular Tract committed hereto. If the Working Interests or the Royalty Interests in any Tract are divided with respect to separate parcels or portions of such Tract and owned severally by different persons, the Tract Participation of such Tract shall, in the absence of a recordable instrument among all owners fixing the division of ownership, be divided among such parcels or portions in proportion to the number of surface acres in each.

15. BALANCING OF PRODUCTION. Unit Operator shall make a proper and timely gauge of all lease and other tanks located on each committed Tract in order to ascertain the amount of merchantable oil in such tanks, above the pipe line connections, as of 7:00 a.m. on the effective date hereof. All Unitized Substances which are a part of the prior allowable of the well or wells from which the same were produced shall be and remain the property of the Working Interest Owners entitled thereto as if the Unit had not been formed and such Working Interest Owners shall promptly remove same. Any such Unitized Substances not so removed may be sold by the Unit Operator for the account of such Working Interest Owners, subject to the payment of all royalty to Royalty Owners under the terms and provisions of the applicable lease or leases and other contracts. All such Unitized Substances which are in excess of the prior allowable of the well or wells from which the same were produced shall be regarded and treated the same as Unitized Substances produced after the effective date hereof. If, as of the effective date hereof, any Tract is over-produced with respect to the allowable of the well or wells on that Tract and the amount of such over-production has been sold or otherwise disposed of, such over-production shall be regarded and included as a part of the Unitized Substances produced after the effective date hereof and the amount thereof charged to such Tract as having been delivered to the persons entitled to Unitized Substances allocated to such Tract.

16. TAKING UNITIZED SUBSTANCES IN KIND. The Unitized Substances allocated to each Tract shall be delivered in kind to the respective parties entitled thereto by virtue of the ownership of

Oil and Gas Rights therein or by purchase from such owners. Such parties shall have the right to construct, maintain and operate within the Unit Area all necessary facilities for that purpose, provided they are so constructed, maintained, and operated as not to interfere with Unit Operations. Any extra expenditures incurred by Unit Operator by reason of the delivery in kind of any portion of Unitized Substances shall be borne by the owner of such portion. If a Royalty Owner has the right to take in kind a share of Unitized Substances and fails to do so, the Working Interest Owner whose Working Interest is subject to such Royalty Interest shall be entitled to take in kind such share of Unitized Substances.

17. FAILURE TO TAKE IN KIND. If any party fails to take in kind or separately dispose of such party's share of Unitized Substances, Unit Operator shall have the right, but not the obligation, for the time being and subject to revocation at will by the party owning the share, to purchase or sell to others such share; however, all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year. The proceeds of the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owners of each affected Tract or a party designated by such Working Interest Owners who shall distribute such proceeds to the parties entitled thereto. Notwithstanding the foregoing, Unit Operator shall not make a sale into interstate commerce of any other party's share of gas production without first giving such other party sixty (60) days' notice of such intended sale.

18. CERTIFICATION OF UNIT PRODUCTION. Certification of production for the North Vacuum Abo West Unit shall be in accordance with current rules and regulations of the U. S. Department of Energy.

Each tract shall retain such regulatory benefit as it was entitled to receive under competitive operation and it shall share with all Tracts such additional regulatory benefit as may result from unitized operation by existing or future rules and regulations of the U.S. Department of Energy.

19. ROYALTY SETTLEMENT. If, under any existing lease, the State of New Mexico is entitled to take in kind a share of the Unitized Substances produced from any committed Tract, the Unit Operator shall make deliveries of such Royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for Royalty Interests not taken in kind shall be made by Working Interest Owners responsible therefor under existing contracts, laws and regulations, on or before the last day of each month for Unitized Substances produced during the preceding calendar month; provided, however, that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any royalties due under their leases except that said royalties shall be computed in accordance with the terms of this agreement.

If gas obtained from lands not subject to this agreement is introduced into the Unitized Formation for use in pressure maintenance, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Commissioner and the Division, a like amount of gas, less appropriate deductions for loss from any cause, may be withdrawn from the unitized formation royalty free as to dry gas, but not as to the products extracted therefrom; provided that such withdrawal shall be pursuant to such conditions and formulas as may be prescribed or approved by the Commissioner; provided further, that such right of withdrawal shall terminate on the termination of this agreement. If liquefied petroleum gases obtained from lands or formations not subject to this agreement be injected into the Unitized Formation for the purpose of increasing ultimate recovery, which shall be in conformance with a plan first approved by the Commissioner, part or all of such liquefied petroleum gases may be withdrawn royalty free pursuant to such conditions and formulas as may be prescribed or approved by the Commissioner.

Royalty due on account of State lands shall be computed and paid on the basis of all Unitized Substances allocated to such lands.

20. RENTAL SETTLEMENT. Rentals on State of New Mexico lands subject to this agreement shall be paid at the rate specified in the respective leases, or may be reduced or suspended under order of the Commissioner pursuant to applicable laws and regulations.

21. CONSERVATION. Operations hereunder and production of Unitized Substances shall be conducted so as to provide for the most economical and efficient recovery of such substances to prevent waste as defined by State laws or regulations.

22. DRAINAGE. Unit Operator shall take appropriate and adequate measures to prevent drainage of Unitized Substances from the committed Tracts by wells on land not subject to this agreement, or, with consent of the Commissioner and pursuant to applicable regulations, pay a fair and reasonable compensatory royalty.

23. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions and provisions of all leases, subleases, and other contracts relating to exploration, drilling, development, or operation for oil, gas, gaseous substances, sulphur contained in gas; condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons in and under lands committed to this agreement are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect; and the parties hereto hereby consent that the Commissioner as to State leases shall by his approval hereof, or by the approval hereof by his duly authorized representative, does hereby establish, alter, change or revoke the drilling, producing, rental, minimum royalty and royalty requirements of State leases committed hereto and the regulations in respect thereto to confirm said requirements to the provisions of this agreement, and without limiting the generality of the foregoing, Unit Operations conducted on any part of the Unit Area shall be considered with respect to leases or term mineral or royalty interests as follows:

(a) The development and operation of lands subject to this agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each and every part or separately owned Tract committed to this agreement, regardless of whether there is any development of any particular part of or Tract of unitized land, notwithstanding anything to the contrary in any lease, operating agreement, or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.

(b) Production from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, or other Unit Operations shall be considered as production from or operations upon each Tract; and such production or operations shall continue in effect each lease or term mineral or royalty interest as to all lands and formations covered thereby just as if such operations were conducted on and as if a well were producing from each Tract.

(c) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Commissioner shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every Tract of unitized land.

(d) Any lease embracing lands of the State of New Mexico which is made subject to this agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

(e) Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall be segregated as to that portion committed and that not committed, and the

terms of such lease shall apply separately as to such segregated portions commencing as of the Effective Date hereof. Provided, however, that, notwithstanding any of the provisions of this agreement to the contrary, such lease shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease if oil or gas is or has heretofore been discovered in paying quantities on some part of the lands embraced in such lease committed to this agreement or so long as a portion of the Unitized Substances produced from the Unit Area is, under the terms of this agreement, allocated to the portion of the lands covered by such lease committed to this agreement or, at any time during the term hereof, as to any lease that is valid and subsisting and upon which the lessee or the Unit Operator is then engaged in bona fide drilling, reworking, or improved recovery operations on any part of the lands embraced in such lease, then the same as to all lands embraced therein should remain in full force and effect so long as such operations are diligently prosecuted; and if they result in the production of oil or gas, said lease shall continue in full force and effect as to all lands embraced therein, so long thereafter as oil or gas in paying quantities is being produced from any portion of said lands.

24. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee, or other successor in interest.

25. EFFECTIVE DATE. This agreement shall become binding upon each party as of the date such party executes or ratifies the instrument by which it becomes a party hereto. This agreement shall become effective as of 7:00 o'clock a.m. of the first day of the calendar month next following approval by the Commissioner.

There must be filed at least one counterpart of this Agreement for record in the office of the County Clerk of Lea County, New Mexico, by the Unit Operator.

Unit Operator shall, within thirty (30) days after the effective date of this agreement, file for record in the office where a counterpart of this agreement is recorded, a certificate to the effect that this agreement become effective according to its terms and stating further the effective date.

26. IPSO FACTO TERMINATION. If the requirements of Article 25 are not accomplished on or before September 1, 1981, this agreement shall ipso facto terminate on that date (hereinafter called "termination date") and thereafter be of no further effect, unless prior thereto Working Interest Owners owning a combined Phase I Unit Participation of at least Seventy-five percent (75%) have become parties to this agreement and Working Interest Owners owning seventy-five percent (75%) or more of that percent have decided to extend the termination date for a period not to exceed one year. If the termination date is so extended and the requirements of Article 25 are not accomplished on or before the extended termination date, this agreement shall ipso facto terminate on the extended termination date and thereafter be of no further effect. For the purpose of this article, Unit Participation shall be as calculated on the basis of Phase I Tract Participation shown on the original Exhibit B.

27. TERM. The term of this agreement shall be for and during the time that Unitized Substances are produced in paying quantities from the Unit Area and so long thereafter as drilling, reworking, or other operations (including secondary recovery operations) are prosecuted thereon without cessation of more than ninety (90) consecutive days, unless sooner terminated by Working Interest Owners in the manner hereinafter provided.

This agreement may be terminated with the approval of the Land Commissioner and two or more Working Interest Owners owning seventy-five percent (75%) or more of the then Unit Participation whenever such Working Interest Owners determine that Unit Operations are no longer profitable, feasible or in the interest of conservation. Notice of any such termination shall be given by Unit Operator to all parties hereto.

Upon termination of this agreement, the further development and operation of the Unit Area as a Unit shall be abandoned, Unit operations shall cease, and thereafter the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate tracts.

If not otherwise covered by the leases unitized under this agreement each Royalty Owner hereby grants Working Interest Owners a period of six months after termination of this agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operations.

Upon termination of this agreement, Unit Operator shall file for record in the office of the County Clerk of Lea County, New Mexico, a certificate to the effect that this agreement has terminated and declaring therein the termination date.

28. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for or on behalf of any and all interests affected hereby before the Division and to appeal from orders issued under the regulations of said Division or to apply for relief from any of said regulations or in any proceedings relative to operations before the Division, or other legally constituted authority; provided, however, that any other interested party shall also have the right at his or its own expense to be heard in any such proceeding.

29. NOTICES. All notices, demands, objections or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if made in writing and personally delivered to, or delivered by certified mail, to the party or parties at their respective addresses set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party may have furnished in writing to the party sending the notice, demand or statement.

30. NO WAIVER OF CERTAIN RIGHTS. Nothing contained in this agreement shall be construed as a waiver by a party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State of New Mexico, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

31. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or to produce Unitized Substances from any of the lands subject to this agreement shall be suspended while, but only so long as, the Unit Operator, despite the exercise of due care and diligence, is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State, or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary

materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

32. TITLE. Each Party who, by acceptance of produced Unitized Substances or the proceeds thereof, may claim to own a Working Interest or Royalty Interest in and to any Tract or in the Unitized Substances allocated thereto, shall be deemed to have warranted its title to such interest, and, upon receipt of the Unitized Substances or the proceeds thereof to the credit of such interest, shall indemnify and hold harmless all other Parties in Interest from any loss due to failure, in whole or in part, of its title to any such interest.

If the title or right of any Party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the direction of Working Interest Owners shall either:

(a) require that the Party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid furnish security for the proper accounting therefor to the rightful owner if the title or right of such Party fails in whole or in part, or

(b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so impounded shall be paid to the Party rightfully entitled thereto, provided, that as to State land or leases, no payments of funds due the State of New Mexico shall be withheld, such funds of the State shall be deposited as directed by the Commissioner, all to be held as unearned money pending final settlement of the title dispute and then applied as earned or returned in accordance with such final settlement.

Unit Operator, as such, is relieved from any responsibility for any dispute of title hereunder.

Any conveyance of all or any part of any interest owned by a Party with respect to any Tract shall be subject to this Agreement. No change of title shall be binding upon Unit Operator, or upon any Party other than the Party so transferring until 7:00 a.m. on the first day of the calendar month next succeeding the date of receipt by Unit Operator of a photocopy or a certified copy of the recorded instrument evidencing such change in ownership.

33. COUNTERPARTS. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or it may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above described Unit Area.

34. TAXES. The Working Interest Owners shall render and pay for their account and the account of the Royalty Owners all valid taxes on or measured by the Unitized Substances in and under or that may be produced, gathered and sold from the land subject to this agreement after the effective date of this agreement, or upon the proceeds or net proceeds derived therefrom. The Working Interest Owners in each Tract may charge the proper proportion of said taxes to the Royalty Owners having interests in said Tract, and may currently retain and deduct sufficient of the Unitized Substances or derivative products, or net proceeds thereof, from the allocated

share of each Royalty Owner to secure reimbursement for the taxes so paid. No such taxes shall be charged to the State of New Mexico or to any lessor who has a contract with his lessee which requires the lessee to pay such taxes.

In order to avoid title failures which might incidentally cause the title to a Working Interest or Royalty Interest to fail, the owners of (1) the surface rights to each committed Tract, (2) severed mineral or royalty interest in said Tracts and improvements located on said Tracts not utilized for Unit Operations shall individually be responsible for the rendition and assessment, for ad valorem tax purposes, of all such property, and for the payment of such taxes, except as otherwise provided in any contract or agreement between such owners and a Working Interest Owner or Owners. If any ad valorem taxes are not paid by such owner responsible therefor when due, Unit Operator may, at any time prior to tax sale, pay the same, redeem such property and discharge such tax liens as may arise through nonpayment. In the event Unit Operator makes any such payment or redeems any such property from tax sale, Unit Operator shall be reimbursed therefor by the Working Interest Owners in proportion to their respective Unit Participations then in effect, and Unit Operator shall withhold from any proceeds derived from the sale of Unitized Substances otherwise due to said delinquent taxpayer or taxpayers an amount sufficient to defray the costs of such payment or redemption, such withholding to be distributed among the Working Interest Owners in proportion to their respective contributions toward such payment or redemption. Such withholding shall be without prejudice to any other remedy, either at law or in equity, which may be available for exercise by the Unit Operator or by the Working Interest Owners.

35. NO PARTNERSHIP. The duties, obligations and liabilities of the parties hereto are intended to be several and not joint or collective. This agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation, or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligations as herein provided.

36. NO SHARING OF MARKET. This agreement is not intended to provide, and shall not be construed to provide, directly or indirectly, for any cooperative refining, joint sale, or marketing of Unitized Substances.

37. STATUTORY UNITIZATION. If and when Working Interest Owners owning at least 75% of the Phase I Unit Participation and Royalty Owners, save and except the State of New Mexico, owning at least 75% of the total Royalty Interest in the Unit have become parties to this Agreement in writing and such Working Interest Owners have also become parties to the Unit Operating Agreement, the Unit Operator may make application to the Division for statutory unitization of the uncommitted interests pursuant to the Statutory Unitization Act (Chapter 70, Article 7, New Mexico Statutes, 1978 Annotated).

38. DEPARTMENT OF ENERGY REGULATIONS. Working Interest Owners agree to release Unit Operator from any and all losses, damages, injuries, claims and causes of action arising out of, incident to or resulting directly or indirectly from Unit Operator's interpretation or application of rules, rulings, regulations or orders of the Department of Energy or predecessor agencies to the extent Unit Operator's interpretation or application of such rules, rulings, regulations or orders were made in good faith. Working Interest

Owners further agree to reimburse Unit Operator for their proportionate share of any amounts Unit Operator may be required to refund, rebate or pay as a result of an incorrect interpretation or application of the above noted rules, rulings, regulations or orders, together with their proportionate part of interest and penalties owing by Unit Operator as a result of such incorrect interpretation or application of such rules, rulings, regulations or orders.

39. BORDER AGREEMENTS. Subject to the approval of the Commissioner, the Unit Operator with Working Interest Owners' approval in accordance with the voting procedure in Article 4.3.2 of the Unit Operating Agreement, may enter into a border-protection agreement or agreements with the Working Interest Owners of lands adjacent to the committed Tracts with respect to the operations in the border area for the maximum ultimate recovery, conservation purposes and property protection of the parties and interest.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed as of the date first written and have set opposite their respective names the date of execution and the address of each of the respective executing parties.

P. O. Box 3109
Midland, Texas 79702

TEXACO INC.
UNIT OPERATOR AND WORKING INTEREST OWNER

Date: _____

By _____
Attorney-in-Fact

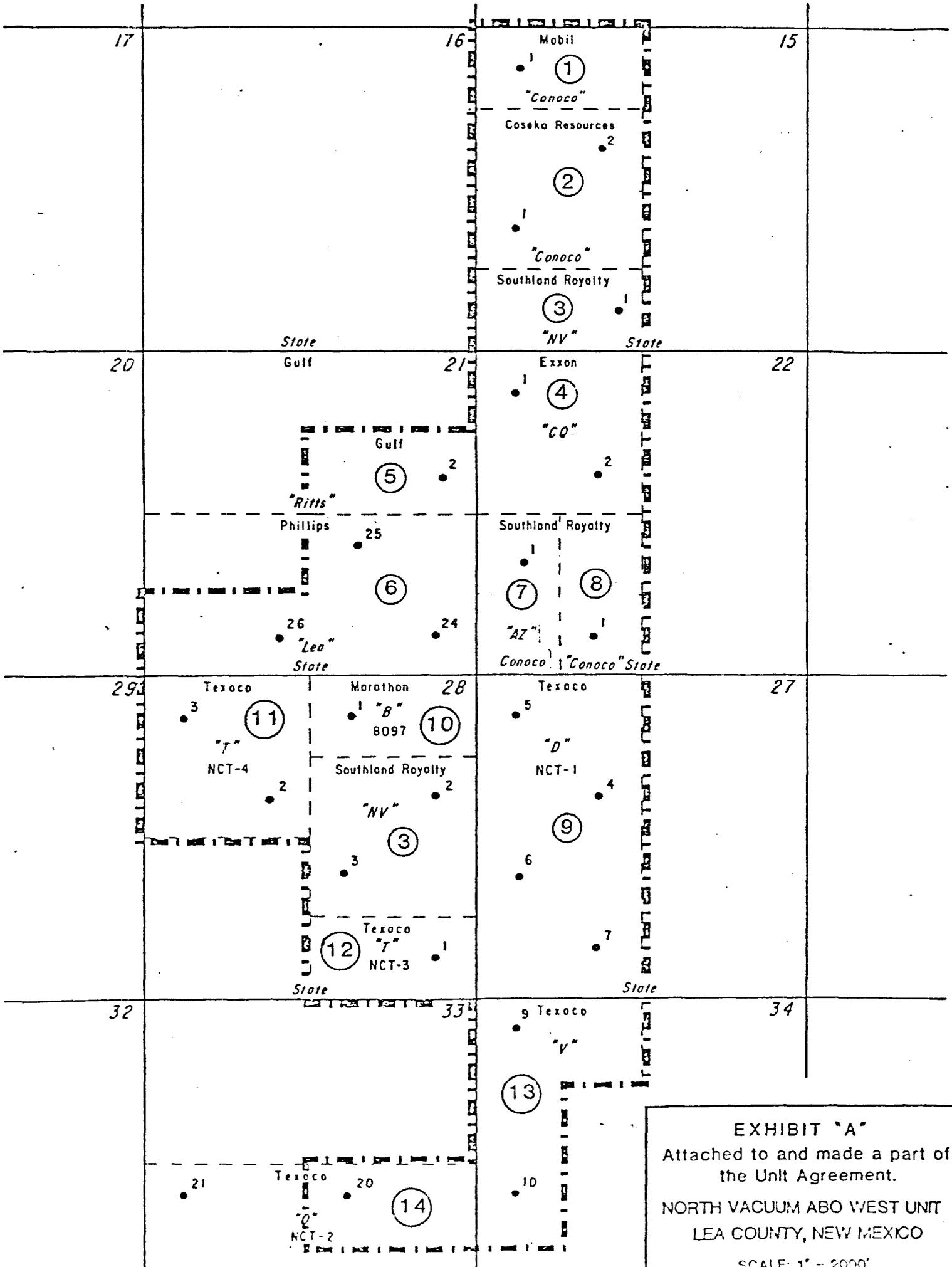
THE STATE OF TEXAS }
COUNTY OF MIDLAND }

The foregoing instrument was acknowledged before me this _____ day of _____, 1980, by _____, Attorney-in-Fact for TEXACO INC., a Delaware corporation, on behalf of said corporation.

My Commission Expires:

Notary Public in and for
Midland County, Texas

R-34-E



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17
S

EXHIBIT "A"
 Attached to and made a part of
 the Unit Agreement.
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO
 SCALE: 1" = 2000'

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

ACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
1	Conoco State T-17-S,R-34-E Sec. 15: N/2NW/4	80	B-3196	State of New Mexico 12.5%	Continental Oil Company	Conoco Inc. 12.5%	Mobil Producing Texas & New Mexico Inc.	88.34199	4.56239	3.78429
							Shell Oil Company	8.25329-	0.42624	0.35354
							Texaco Inc.	1.58749	0.08198	0.06800
							Amerada Hess Corp.	1.03667	0.05354	0.04441
							Partnership Properties Co.	0.19778	0.01021	0.00847
							M & B Investments	0.14128	0.00729	0.00605
							Ladd Petroleum Corporation	0.08477	0.00438	0.00363
							R. W. Keener	0.02825	0.00146	0.00121
							Wesley T. House	0.08831	0.00456	0.00378
							E. H. Holcomb	0.07064	0.00365	0.00303
							J. A. Davidson	0.02825	0.00146	0.00121
							Marlin Andersen	0.07064	0.00365	0.00303
							David K. Watkiss	0.04238	0.00219	0.00182
							Francis S. Williams	0.02826	0.00146	0.00121
								100.00000	5.16446	4.28368

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
2	Conoco State T-17-S,R-34-E Sec. 15: S/2 NW/4 & N/2 SW/4	160	B-3196	State of New Mexico 12.5%	Continental Oil Company	Conoco Inc. 18.50% Paul M. Marshon, Jr. 2.00% Vincent E. Shyrack 2.00%	Coseka Resources (U.S.A.) LTD.	100.00000	5.60607	3.95942
3	State "NW" T-17-S,R-34-E Sec. 15: S/2SW/4 Sec. 28: S/2NE/4 & N/2SE/4	240	E-8712	State of New Mexico 12.5%	Southland Royalty Co.	None	Southland Royalty Company	100.00000	19.66127	24.17608
4	State "OQ" T-17-S,R-34-E Sec. 22: NW/4	160	B-936	State of New Mexico 12.5%	Humble Oil & Refining Co.	None	Exxon Corp.	100.00000	8.57579	7.64546
5	State "RITTS" T-17-S,R-34-E Sec. 21: S/2NE/4	80	B-3385-4	State of New Mexico 12.5%	Gulf Oil Corp.	None	Gulf Oil Exploration & Production Co.	100.00000	3.81803	3.95852
6	State "LEA" T-17-S,R-34-E Sec. 21: SE/4 & S/2SW/4	240	B-4118	State of New Mexico 12.5%	Phillips Petroleum Co.	None	Phillips Petroleum Co.	100.00000	5.54385	3.17922
7	Conoco State Comm "AZ" T-17-S,R-34-E Sec. 22: W/2SW/4	80	B-3196 (NW/4SW/4) E-8712 (SW/4SW/4)	State of New Mexico 12.5%	Continental Oil Company (B-3196) Southland Royalty Company (E-8712)	Conoco Inc. 7.5%	Southland Royalty Co.	100.00000	2.28669	1.75974

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

ACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
8	Conoco State T-17-S,R-34-E Section 22: E/2 SW/4	80	B-3196	State of New Mexico 12.5%	Continental Oil Co.	Conoco Inc. 15%	Southland Royalty Company	100.00000	3.09894	2.71724
9	N.M. "D" State NCT-1 T-17-S,R-34-E Sec.27: W/2	320	B-143-3	State of New Mexico 12.5%	The Texas Company	None	Texaco Inc.	100.00000	21.89709	24.85615
10	State "B" T-17-S,R-34-E Section 28: N/2NE/4	80	B-8097	State of New Mexico 12.5%	The Ohio Oil Company	None	Marathon Oil Company	100.00000	3.99915	4.18086
11	N.M. "T" State NCT-4 T-17-S,R-34-E Sec.28: NW/4	160	B-1030-1	State of New Mexico 12.5%	The Texas Company	None	Texaco Inc.	100.00000	4.73415	3.62794
12	N.M. "T" State NCT-3, T-17-S, R-34-E, Sec.28: S/2SE/4	80	B-1030-1	State of New Mexico 12.5%	The Texas Company	None	Texaco Inc.	100.00000	7.52729	8.70488
13	N.M. "V" State T-17-S,R-34-E Sec.34: N/2NW/4, SW/4NW/4 & NW/4SW/4	160	B-871-1	State of New Mexico 12.5%	The Texas Company	None	Texaco Inc.	100.00000	6.22977	5.69854

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
14	N.M. "0" State NCT-2 T-17-S,R-34-E Sec.33: N/2SE/4	80	B-155-1	State of New Mexico 12.5%	The Texas Company	None	Texaco Inc.	100.00000	1.85745	1.25227
		2,000							100.00000	100.00000



PETROLEUM PRODUCTS

PRODUCING DEPARTMENT

TEXACO
U.S.A.
A DIVISION OF TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79702

March 2, 1982

293155 - NORTH VACUUM ABO WEST UNIT
LEA COUNTY, NEW MEXICO

Oil Conservation Division
Energy and Minerals Department
State of New Mexico
P. O. Box 2088
Santa Fe, New Mexico 87501

1399

Gentlemen:

On November 18, 1981, the Oil Conservation Division approved the North Vacuum Abo West Unit Agreement, Lea County, New Mexico. Your approval of the Unit Agreement is set forth in the Oil Conservation Division's Order No. R-6822.

As a matter of information, the Commissioner of Public Lands for the State of New Mexico has also approved the captioned unit and has issued a Certificate of Approval bearing date of February 1, 1982.

The North Vacuum Abo West Unit became effective March 1, 1982, at 7:00 A.M.

In compliance with the said Order No. R-6822, you are herewith delivered a counterpart of the North Vacuum Abo West Unit Agreement executed on behalf of Texaco Inc., Unit Operator and working interest owner, by Alan R. McDaniel, Attorney-in-Fact.

Yours very truly,

E. H. Watkins
Land Manager

By *Robert E. Davis*
Robert E. Davis

RED-ES
Enclosure

MAR 9 1982
OIL CONSERVATION DIVISION
SANTA FE

UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE
NORTH VACUUM ABO WEST UNIT
COUNTY OF LEA
STATE OF NEW MEXICO

RECEIVED
MAY 9 1982
OIL CONSERVATION DIVISION
SANTA FE

UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

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UNIT AGREEMENT
FOR THE DEVELOPMENT AND OPERATION
OF THE
NORTH VACUUM ABO WEST UNIT AREA
COUNTY OF LEA
STATE OF NEW MEXICO

THIS AGREEMENT entered into as of the first day of September 1980, by and between the parties subscribing, ratifying, or consenting hereto, and herein referred to as the "parties hereto,"

W I T N E S S E T H:

WHEREAS, the parties hereto are the owners of working, royalty, or other oil and gas interests in the Unit area subject to this agreement, and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Secs. 19-10-45, 46, 47 N.M. Statutes 1978 Annotated) to consent to and approve the development or operation of State lands under agreements made by lessees of State land jointly or severally with other lessees where such agreements provide for the unit operation or development of part of or all of any oil or gas pool, field or area; and

WHEREAS, the Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature (Sec. 1, Chap. 162, Laws of 1951; Chapter 7, Article 11, Section 41, New Mexico Statutes, 1953 Annotated) to amend with the approval of lessee, evidenced by the Lessee's execution of such agreement or otherwise, any oil and gas lease embracing State lands so that the length of the term of said lease may coincide with the term of such agreements for the unit operation and development of part or all of any oil or gas pool, field or area; and

WHEREAS, the Oil Conservation Division of the State of New Mexico Energy and Minerals Department is authorized by an Act of the Legislature (Chapters 70 and 71, New Mexico Statutes 1978, Annotated) to approve this agreement and the conservation provisions hereof; and,

WHEREAS, the parties hereto hold sufficient interest in the North Vacuum Abo West Unit Area covering land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to enable institution and consummation of additional recovery operations, to conserve natural resources, prevent waste and secure other benefits obtainable through development and operation of the North Vacuum Abo West Unit subject to this agreement under the terms, conditions and limitations herein set forth.

NOW, THEREFORE, in consideration of the premises and the promises herein contained, the parties hereto commit to this agreement their respective interests in the "Unit Area" and the "Unitized Formation" lying thereunder (as those terms are defined hereinafter) and agree severally among themselves as follows:

1. ENABLING ACT AND REGULATIONS. The oil and gas operating regulations in effect as of the effective date hereto governing drilling and producing operations not inconsistent with the terms hereof or the laws of the State of New Mexico are hereby accepted and made a part of this agreement.

2. DEFINITIONS. For the purpose of this agreement, the following terms and expressions as used herein shall mean:

(a) "Division" means the Oil Conservation Division of the Energy and Minerals Department of the State of New Mexico.

(b) "Commissioner" means the Commissioner of Public Lands of the State of New Mexico.

(c) "Royalty Interest" or "Royalty" means an interest other than a Working Interest in or right to receive a portion of

the Unitized Substances or the proceeds thereof and includes the royalty interest reserved by the lessor by an oil and gas lease and any overriding royalty interest, oil payment interest, net profits contract, or any other payment or burden which does not carry with it the right to search for and produce Unitized Substances.

(d) "Royalty Owner" means the owner of a Royalty Interest.

(e) "Tract" means each parcel of land described as such and given a Tract number in Exhibit B.

(f) "Tract Participation" means the percentage of Unitized Substances allocated to a Tract under this agreement as shown in Exhibit B.

(g) "Unit Area" means the land shown on Exhibit A, and described by Tracts in Exhibit B, encompassing 2,000 acres, more or less.

(h) "Unit Operating Agreement" means any agreement or agreements, whether one or more, entered into either separately or collectively by and between the Unit Operator and the Working Interest Owners, as provided in Section 9, ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT, and shall be styled "Unit Operating Agreement for the Development and Operation of the North Vacuum Abo West Unit Area, County of Lea, State of New Mexico."

(i) "Unit Participation" of a Working Interest Owner is the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

(j) "Unitized Formation" means the Abo Formation identified between the depths of 8,587 feet (minus 4,500 feet subsea) and 8,937 feet (minus 4,850 feet subsea) on the Dresser Atlas Sidewall Neutron-Gamma Ray Log, run on May 4, 1972, in Texaco's New Mexico "T" State (NCT-4) Well No. 3, located 660 feet from the north and west lines of Section 28, T-17-S, R-34-E, Lea County, New Mexico, and is to include all subsurface points throughout the Unit Area correlative to those identified depths.

(k) "Unitized Substances" means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

(l) "Working Interest" means the right to search for, produce and acquire Unitized Substances whether held as an incident of ownership of mineral fee simple title, under an oil and gas lease or otherwise.

(m) "Working Interest Owner" means any party thereto owning a Working Interest, including a carried working interest owner, holding an interest in Unitized Substances by virtue of a lease, operating agreement, fee title or otherwise, which interest is chargeable with and obligated to pay or bear, either in cash or out of production, or otherwise, all or a portion of the cost of drilling, developing and producing the Unitized Substances from the Unitized Formation and the operation thereof hereunder. The owner of oil and gas rights which are free of lease or other instrument conveying the Working Interest to another shall be regarded as a Working Interest Owner to the extent of seven-eighths (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

(n) "Voting Interest" means each Working Interest Owner shall have a voting interest equal to its then Unit Participation.

(o) "Oil and Gas Rights" are the rights to explore, develop, and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.

(p) "Unit Operations" are all operations conducted pursuant to this agreement and the Unit Operating Agreement.

(q) "Unit Equipment" is all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.

(r) "Unit Expense" is all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of Unit Operations.

3. EXHIBITS. The following exhibits, which are attached hereto, are incorporated herein by reference:

EXHIBIT A: is a map that illustrates the boundary lines of the Unit Area and the Tracts therein.

EXHIBIT B: is a schedule that describes each Tract in the Unit Area and sets forth the percentage of participation for each Tract.

Said Schedule shall become effective at 7:00 a.m. on the effective date of this agreement.

It is hereby agreed by all parties to this agreement that Unit Operator is empowered to correct any mathematical or clerical errors which may exist in the pertinent exhibits to this agreement; provided, however, that correction of any error other than correction of mathematical or clerical error shall be made by Unit Operator only after first having obtained approval of Working Interest Owners and the Commissioner. The correction of any error shall not include any re-evaluation of engineering or geological interpretations used in determining "Tract Participation."

Exhibits A and B shall be revised by Unit Operator whenever changes render such revision necessary, and at least two copies of such revision shall be filed with the Commissioner.

4. EXPANSION OF UNIT AREA. The above described Unit Area may, when practicable, be expanded to include therein any additional tract or tracts regarded as reasonably necessary or advisable for the purposes of this agreement, whenever such expansion is necessary or advisable to conform with the purposes of this agreement. Tract Participations resulting from such expansion shall be on a negotiated basis and, after agreement between the affected parties has been reached, such expansion shall be effected in the following manner.

(a) Unit Operator, with concurrence of two or more working interest owners all of whom have at least a combined seventy-five percent (75%) of the then Voting Interest and after preliminary concurrence by the Commissioner and the Division, shall prepare a notice of proposed expansion describing the contemplated changes in the boundaries of the Unit Area, the reasons therefor, and the proposed effective date thereof, preferably the first day of a month subsequent to the date of notice.

(b) Said notice shall be delivered to the Commissioner and the Division, and copies thereof mailed to the last known address of each Working Interest owner, lessee, and lessor whose interests are affected, advising that 30 days will be allowed for submission to the Unit Operator of any objections.

(c) Upon expiration of the 30-day period provided in the preceding item (b) hereof, Unit Operator shall file with the Commissioner and the Division evidence of mailing of the notice of expansion and a copy of any objections thereto which have been filed with the Unit Operator, together with an application in sufficient number for approval of such expansion and with appropriate joinders.

(d) After due consideration of all pertinent information, the expansion shall, upon approval by the Commissioner and the Division, become effective as of the date prescribed in the notice thereof.

In any approved expansion of the Unit Area, the revised Tract Participants of those Tracts which were committed prior to each such expansion shall remain in the same ratio one to another.

5. UNITIZED LAND AND UNITIZED SUBSTANCES. All oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid and liquefiable hydrocarbons in the lands committed to this agreement are, as to the Abo Formation, unitized under the terms of this agreement (and are herein called Unitized Substances) and said lands shall constitute lands referred to herein as "unitized land" or "land subject to this agreement."

6. UNIT OPERATOR. TEXACO INC. is hereby designated as the Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties of Unit Operator for the development and production of Unitized Substances as herein provided. Whenever reference is made herein to the "Unit Operator," such reference means the Unit Operator acting in that capacity and not as an owner of interest in Unitized Substances, and the term "Working Interest Owner" when used herein shall include or refer to Unit Operator as the owner of a Working Interest when such interest is owned by it.

7. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time, but such resignation shall not become effective so as to release Unit Operator from the duties and obligations of Unit Operator and terminate Unit Operator's rights as such for a period of six (6) months after notice of intention to resign has been served by Unit Operator on all Working Interest Owners and the Commissioner and the Division, and until all wells then drilled hereunder are placed in satisfactory condition for suspension or abandonment, whichever is required by the Division as to State lands, unless a new Unit Operator shall have been selected and approved and shall have taken over and assumed the duties and obligations of Unit Operator prior to the expiration of said period.

The resignation of Unit Operator shall not release Unit Operator from any liability or default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may be removed at any time by the affirmative vote of Working Interest Owners having ninety percent (90%) or more of the Voting Interest remaining after excluding the voting interest of the Unit Operator. Such removal shall be effective upon notice thereof to the Commissioner.

In all such instances of resignation or removal, until a successor Unit Operator is selected and approved, as hereinafter provided, the Working Interest Owners shall be jointly responsible for the performance of the duties of Unit Operator and shall, not later than 30 days before such resignation or removal becomes effective, appoint a common agent to represent them in any action to be taken hereunder.

The resignation or removal of Unit Operator under this agreement shall not terminate its right, title or interest as the owner of a Working Interest or other interests in Unitized Substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all equipment, materials, and appurtenances used in conducting the Unit operations owned by the Working Interest Owners to the new duly qualified successor Unit Operator, or to the owner thereof if no such new Unit Operator is elected, to be used for the purpose of conducting Unit operations hereunder. Nothing herein shall be construed as authorizing removal of any material, equipment and appurtenances needed for the preservation of any wells.

8. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender his or its resignation as Unit Operator, or shall be removed as hereinabove provided, the Working Interest Owners shall, by affirmative vote of at least sixty-five percent (65%) of the then Voting Interest, select a successor Unit Operator; provided, however, if the Unit Operator that is removed fails to vote or votes only to succeed itself, the successor Unit Operator may be selected by the Affirmative vote of at least fifty-one percent (51%) of the Voting Interest remaining after excluding the voting interest of the Unit Operator that resigned or was removed. Such selection shall not become effective until (a) a Unit Operator so selected shall accept in writing the duties and responsibilities of Unit Operator, and (b) the selection shall have been approved by the Commissioner. If no successor Unit Operator is selected and qualified as herein provided, the Commissioner may, at his election, declare this Unit Agreement terminated.

9. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. All costs and expenses incurred by Unit Operator in conducting Unit operations hereunder shall be apportioned among, borne and paid by the Working Interest Owners, all in accordance with this agreement and the Unit Operating Agreement. The Unit Operating Agreement shall also provide the manner in which the Working Interest Owners shall be entitled to receive their respective proportionate and allocated share of the benefits accruing hereto in conformity with their underlying operating agreements, leases, or other independent contracts and such other rights and obligations as between Unit Operator and the Working Interest Owners as they may agree upon. However, the Unit Operating Agreement shall not be deemed to modify the terms and conditions of this Unit Agreement or to relieve the Unit Operator of any right or obligation established under this Unit Agreement; in case of any inconsistency or conflict between the Unit Agreement and the Unit Operating Agreement, this agreement shall prevail. One true copy of the Unit Operating Agreement shall be filed with the Commissioner.

10. RIGHTS AND OBLIGATIONS OF UNIT OPERATOR. Except as otherwise specifically provided herein, the exclusive right, privilege, and duty of exercising any and all rights of the parties hereto (including surface rights) which are necessary or convenient for the prospecting for, producing, storing, allocating, and distributing the Unitized Substances, are hereby granted and delegated to and shall be exercised by the Unit Operator as herein provided. Upon request therefor, acceptable evidence of title to said rights shall be deposited with said Unit Operator and, together with this agreement, shall constitute and define the rights, privileges, and obligations of Unit Operator. Nothing herein, however, shall be construed to transfer title to any land, lease, Royalty Interest, operating agreement or communitization agreement, it being understood that under this agreement the Unit Operator, in its capacity as Unit Operator, shall exercise the rights of possession and use vested in the parties hereto only for the purposes herein specified.

11. EQUIPMENT AND FACILITIES NOT FIXTURES ATTACHED TO REALTY. Each Working Interest Owner has heretofore placed and used on its Tract or Tracts committed to this agreement, various well and lease

equipment and other property, equipment and facilities. It is also recognized that additional equipment and facilities may hereafter be placed and used upon the Unit Area as now or hereafter constituted. Therefore, for all purposes of this agreement any and all such equipment shall be considered to be personal property and not fixtures attached to realty. Accordingly, said well and lease equipment and personal property is hereby severed from the mineral estates affected by this agreement, and it is agreed that any and all such equipment and personal property shall be and remain personal property for all purposes.

12. PLAN OF FURTHER DEVELOPMENT AND OPERATION. It is recognized and agreed by the parties hereto that the object and purpose of this agreement is to formulate and to put into effect an additional recovery project in order to effect the optimum recovery of Unitized Substances, prevent waste and conserve natural resources. The parties hereto agree that the Unit Operator may, subject to the consent and approval of a plan of operation by the Working Interest Owners, the Commissioner and the Division, inject into the Unitized Formation, through any well or wells completed therein, brine, water, air, gas, oil, liquefied petroleum gas, or any other substance or a combination of any of said substances, whether produced from the Unitized formation or not, and that the location of input wells and the rates of injection therein and the rate of production shall be governed by standards of good geologic and petroleum engineering practices and conservation methods. This agreement is and shall be subject to the conservation laws of the State of New Mexico to the valid rules, regulations and orders of the Commissioner and the Division and to all other applicable federal, state and municipal laws, rules, regulations and orders. The parties hereto, subject to prior rights, if any, grant to Unit Operator the use of brine or water or both from any formation in and under the Unit Area for injection into the Unitized Formation. After commencement of additional recovery operations, Unit Operator shall furnish the Commissioner and the Division monthly injection and production reports for each well in the Unit Area. The Working Interest Owners, the Commissioner, and the Division shall be furnished periodic reports on the progress of the plan of operation and any revisions or changes thereto necessary to meet changed conditions or to protect the interests of all parties to this agreement; provided, however, that any major revisions of the plan of operation involving a basic deviation from the initial plan of operation shall be subject to the consent and approval of the Working Interest Owners, the Commissioner and the Division.

The initial plan of operation shall be filed with the Commissioner and the Division concurrently with the filing of this Unit Agreement for final approval. Reasonable diligence shall be exercised in complying with the obligations of said plan of operations.

13. PARTICIPATION. The Tract Participations shown on Exhibit B attached hereto shall govern the allocation of Unitized Substances on and after the effective date of this Unit Agreement and until the allocation schedule is revised pursuant to this agreement and the revised Tract Participations are approved by the Commissioner of the Division.

The Tract Participation of each tract in the Unit Area, under Phase I and Phase II, as shown on Exhibit A and described in Exhibit B, has been calculated and determined in accordance with the following formulas using data heretofore approved by the Working Interest Owners:

Two Phase Formula:

Phase I - 25%	weight to the Tract Percent of usable Unit wells,
30%	weight to the Tract Percent of Current Unit production for the period 5-1-79 to 11-1-79,
25%	weight to the Tract Percent of cumulative Unit production to 11-1-79,
20%	weight to the Tract Percent of remaining Unit primary oil reserves as of 11-1-79
<u>100%</u>	

Phase I is to be in effect until the production of 977,447 barrels of oil from the Unit Area after 11-1-79.

Phase II - 100% weight to the Tract percent of
ultimate Unit primary production

Investment - Phase II Unit participation

14. ALLOCATION OF UNITIZED SUBSTANCES. All Unitized Substances produced and saved (less, save and except any part of such Unitized Substances used in conformity with good operating practices on unitized land for drilling, operating, camp and other production or development purposes and for pressure maintenance) shall be apportioned among and allocated to the committed Tracts in accordance with the respective Tract Participations effective hereunder during the respective periods such Unitized Substances were produced, as set forth in the schedule of participation in Exhibit B. The amount of Unitized Substances so allocated to each committed Tract, and only that amount (regardless of whether it be more or less than the amount of the actual production of Unitized Substances from the well or wells, if any, on such Tract), shall, for all intents, uses and purposes, be deemed to have been produced from such Tract.

The Unitized Substances allocated to each such Tract shall be distributed among, or accounted for to, the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions, as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this agreement not been entered into, and with the same legal effect. It is hereby agreed that production of Unitized Substances from any such committed Tract shall be allocated as provided herein regardless of whether oil or gas is being produced from any particular Tract committed hereto. If the Working Interests or the Royalty Interests in any Tract are divided with respect to separate parcels or portions of such Tract and owned severally by different persons, the Tract Participation of such Tract shall, in the absence of a recordable instrument among all owners fixing the division of ownership, be divided among such parcels or portions in proportion to the number of surface acres in each.

15. BALANCING OF PRODUCTION. Unit Operator shall make a proper and timely gauge of all lease and other tanks located on each committed Tract in order to ascertain the amount of merchantable oil in such tanks, above the pipe line connections, as of 7:00 a.m. on the effective date hereof. All Unitized Substances which are a part of the prior allowable of the well or wells from which the same were produced shall be and remain the property of the Working Interest Owners entitled thereto as if the Unit had not been formed and such Working Interest Owners shall promptly remove same. Any such Unitized Substances not so removed may be sold by the Unit Operator for the account of such Working Interest Owners, subject to the payment of all royalty to Royalty Owners under the terms and provisions of the applicable lease or leases and other contracts. All such Unitized Substances which are in excess of the prior allowable of the well or wells from which the same were produced shall be regarded and treated the same as Unitized Substances produced after the effective date hereof. If, as of the effective date hereof, any Tract is over-produced with respect to the allowable of the well or wells on that Tract and the amount of such over-production has been sold or otherwise disposed of, such over-production shall be regarded and included as a part of the Unitized Substances produced after the effective date hereof and the amount thereof charged to such Tract as having been delivered to the persons entitled to Unitized Substances allocated to such Tract.

16. TAKING UNITIZED SUBSTANCES IN KIND. The Unitized Substances allocated to each Tract shall be delivered in kind to the respective parties entitled thereto by virtue of the ownership of

Oil and Gas Rights therein or by purchase from such owners. Such parties shall have the right to construct, maintain and operate within the Unit Area all necessary facilities for that purpose, provided they are so constructed, maintained, and operated as not to interfere with Unit Operations. Any extra expenditures incurred by Unit Operator by reason of the delivery in kind of any portion of Unitized Substances shall be borne by the owner of such portion. If a Royalty Owner has the right to take in kind a share of Unitized Substances and fails to do so, the Working Interest Owner whose Working Interest is subject to such Royalty Interest shall be entitled to take in kind such share of United Substances.

17. FAILURE TO TAKE IN KIND. If any party fails to take in kind or separately dispose of such party's share of Unitized Substances, Unit Operator shall have the right, but not the obligation, for the time being and subject to revocation at will by the party owning the share, to purchase or sell to others such share; however, all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year. The proceeds of the Unitized Substances so disposed of by Unit Operator shall be paid to the Working Interest Owners of each affected Tract or a party designated by such Working Interest Owners who shall distribute such proceeds to the parties entitled thereto. Notwithstanding the foregoing, Unit Operator shall not make a sale into interstate commerce of any other party's share of gas production without first giving such other party sixty (60) days' notice of such intended sale.

18. CERTIFICATION OF UNIT PRODUCTION. Certification of production for the North Vacuum Abo West Unit shall be in accordance with current rules and regulations of the U. S. Department of Energy.

Each tract shall retain such regulatory benefit as it was entitled to receive under competitive operation and it shall share with all Tracts such additional regulatory benefit as may result from unitized operation by existing or future rules and regulations of the U.S. Department of Energy.

19. ROYALTY SETTLEMENT. If, under any existing lease, the State of New Mexico is entitled to take in kind a share of the Unitized Substances produced from any committed Tract, the Unit Operator shall make deliveries of such Royalty share taken in kind in conformity with the applicable contracts, laws and regulations. Settlement for Royalty Interests not taken in kind shall be made by Working Interest Owners responsible therefor under existing contracts, laws and regulations, on or before the last day of each month for Unitized Substances produced during the preceding calendar month; provided, however, that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any royalties due under their leases except that said royalties shall be computed in accordance with the terms of this agreement.

If gas obtained from lands not subject to this agreement is introduced into the Unitized Formation for use in pressure maintenance, stimulation of production, or increasing ultimate recovery, which shall be in conformity with a plan first approved by the Commissioner and the Division, a like amount of gas, less appropriate deductions for loss from any cause, may be withdrawn from the unitized formation royalty free as to dry gas, but not as to the products extracted therefrom; provided that such withdrawal shall be pursuant to such conditions and formulas as may be prescribed or approved by the Commissioner; provided further, that such right of withdrawal shall terminate on the termination of this agreement. If liquefied petroleum gases obtained from lands or formations not subject to this agreement be injected into the Unitized Formation for the purpose of increasing ultimate recovery, which shall be in conformance with a plan first approved by the Commissioner, part or all of such liquefied petroleum gases may be withdrawn royalty free pursuant to such conditions and formulas as may be prescribed or approved by the Commissioner.

Royalty due on account of State lands shall be computed and paid on the basis of all Unitized Substances allocated to such lands.

20. RENTAL SETTLEMENT. Rentals on State of New Mexico lands subject to this agreement shall be paid at the rate specified in the respective leases, or may be reduced or suspended under order of the Commissioner pursuant to applicable laws and regulations.

21. CONSERVATION. Operations hereunder and production of Unitized Substances shall be conducted so as to provide for the most economical and efficient recovery of such substances to prevent waste as defined by State laws or regulations.

22. DRAINAGE. Unit Operator shall take appropriate and adequate measures to prevent drainage of Unitized Substances from the committed Tracts by wells on land not subject to this agreement, or, with consent of the Commissioner and pursuant to applicable regulations, pay a fair and reasonable compensatory royalty.

23. LEASES AND CONTRACTS CONFORMED AND EXTENDED. The terms, conditions and provisions of all leases, subleases, and other contracts relating to exploration, drilling, development, or operation for oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate and all associated and constituent liquid or liquefiable hydrocarbons in and under lands committed to this agreement are hereby expressly modified and amended to the extent necessary to make the same conform to the provisions hereof, but otherwise to remain in full force and effect; and the parties hereto hereby consent that the Commissioner as to State leases shall by his approval hereof, or by the approval hereof by his duly authorized representative, does hereby establish, alter, change or revoke the drilling, producing, rental, minimum royalty and royalty requirements of State leases committed hereto and the regulations in respect thereto to confirm said requirements to the provisions of this agreement, and without limiting the generality of the foregoing, Unit Operations conducted on any part of the Unit Area shall be considered with respect to leases or term mineral or royalty interests as follows:

(a) The development and operation of lands subject to this agreement under the terms hereof shall be deemed full performance of all obligations for development and operation with respect to each and every part or separately owned Tract committed to this agreement, regardless of whether there is any development of any particular part of or Tract of unitized land, notwithstanding anything to the contrary in any lease, operating agreement, or other contract by and between the parties hereto, or their respective predecessors in interest, or any of them.

(b) Production from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, or other Unit Operations shall be considered as production from or operations upon each Tract; and such production or operations shall continue in effect each lease or term mineral or royalty interest as to all lands and formations covered thereby just as if such operations were conducted on and as if a well were producing from each Tract.

(c) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Commissioner shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every Tract of unitized land.

(d) Any lease embracing lands of the State of New Mexico which is made subject to this agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

(e) Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall be segregated as to that portion committed and that not committed, and the

terms of such lease shall apply separately as to such segregated portions commencing as of the Effective Date hereof. Provided, however, that, notwithstanding any of the provisions of this agreement to the contrary, such lease shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease if oil or gas is or has heretofore been discovered in paying quantities on some part of the lands embraced in such lease committed to this agreement or so long as a portion of the Unitized Substances produced from the Unit Area is, under the terms of this agreement, allocated to the portion of the lands covered by such lease committed to this agreement or, at any time during the term hereof, as to any lease that is valid and subsisting and upon which the lessee or the Unit Operator is then engaged in bona fide drilling, reworking, or improved recovery operations on any part of the lands embraced in such lease, then the same as to all lands embraced therein should remain in full force and effect so long as such operations are diligently prosecuted; and if they result in the production of oil or gas, said lease shall continue in full force and effect as to all lands embraced therein, so long thereafter as oil or gas in paying quantities is being produced from any portion of said lands.

24. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interests of the parties hereto and their successors in interest until this agreement terminates, and any grant, transfer, or conveyance of interest in land or leases subject hereto shall be and hereby is conditioned upon the assumption of all privileges and obligations hereunder by the grantee, transferee, or other successor in interest.

25. EFFECTIVE DATE. This agreement shall become binding upon each party as of the date such party executes or ratifies the instrument by which it becomes a party hereto. This agreement shall become effective as of 7:00 o'clock a.m. of the first day of the calendar month next following approval by the Commissioner.

There must be filed at least one counterpart of this Agreement for record in the office of the County Clerk of Lea County, New Mexico, by the Unit Operator.

Unit Operator shall, within thirty (30) days after the effective date of this agreement, file for record in the office where a counterpart of this agreement is recorded, a certificate to the effect that this agreement become effective according to its terms and stating further the effective date.

26. IPSO FACTO TERMINATION. If the requirements of Article 25 are not accomplished on or before September 1, 1981, this agreement shall ipso facto terminate on that date (hereinafter called "termination date") and thereafter be of no further effect, unless prior thereto Working Interest Owners owning a combined Phase I Unit Participation of at least Seventy-five percent (75%) have become parties to this agreement and Working Interest Owners owning seventy-five percent (75%) or more of that percent have decided to extend the termination date for a period not to exceed one year. If the termination date is so extended and the requirements of Article 25 are not accomplished on or before the extended termination date, this agreement shall ipso facto terminate on the extended termination date and thereafter be of no further effect. For the purpose of this article, Unit Participation shall be as calculated on the basis of Phase I Tract Participation shown on the original Exhibit B.

27. TERM. The term of this agreement shall be for and during the time that Unitized Substances are produced in paying quantities from the Unit Area and so long thereafter as drilling, reworking, or other operations (including secondary recovery operations) are prosecuted thereon without cessation of more than ninety (90) consecutive days, unless sooner terminated by Working Interest Owners in the manner hereinafter provided.

This agreement may be terminated with the approval of the Land Commissioner and two or more Working Interest Owners owning seventy-five percent (75%) or more of the then Unit Participation whenever such Working Interest Owners determine that Unit Operations are no longer profitable, feasible or in the interest of conservation. Notice of any such termination shall be given by Unit Operator to all parties hereto.

Upon termination of this agreement, the further development and operation of the Unit Area as a Unit shall be abandoned, Unit operations shall cease, and thereafter the parties hereto shall be governed by the terms and provisions of the leases and contracts affecting the separate tracts.

If not otherwise covered by the leases unitized under this agreement each Royalty Owner hereby grants Working Interest Owners a period of six months after termination of this agreement in which to salvage, sell, distribute or otherwise dispose of the personal property and facilities used in connection with Unit Operations.

Upon termination of this agreement, Unit Operator shall file for record in the office of the County Clerk of Lea County, New Mexico, a certificate to the effect that this agreement has terminated and declaring therein the termination date.

28. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for or on behalf of any and all interests affected hereby before the Division and to appeal from orders issued under the regulations of said Division or to apply for relief from any of said regulations or in any proceedings relative to operations before the Division, or other legally constituted authority; provided, however, that any other interested party shall also have the right at his or its own expense to be heard in any such proceeding.

29. NOTICES. All notices, demands, objections or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if made in writing and personally delivered to, or delivered by certified mail, to the party or parties at their respective addresses set forth in connection with the signatures hereto or to the ratification or consent hereof or to such other address as any such party may have furnished in writing to the party sending the notice, demand or statement.

30. NO WAIVER OF CERTAIN RIGHTS. Nothing contained in this agreement shall be construed as a waiver by a party hereto of the right to assert any legal or constitutional right or defense as to the validity or invalidity of any law of the State of New Mexico, or regulations issued thereunder in any way affecting such party, or as a waiver by any such party of any right beyond his or its authority to waive.

31. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or to produce Unitized Substances from any of the lands subject to this agreement shall be suspended while, but only so long as, the Unit Operator, despite the exercise of due care and diligence, is prevented from complying with such obligations, in whole or in part, by strikes, acts of God, Federal, State, or municipal law or agencies, unavoidable accidents, uncontrollable delays in transportation, inability to obtain necessary

materials in open market, or other matters beyond the reasonable control of the Unit Operator whether similar to matters herein enumerated or not.

32. TITLE. Each Party who, by acceptance of produced Unitized Substances or the proceeds thereof, may claim to own a Working Interest or Royalty Interest in and to any Tract or in the Unitized Substances allocated thereto, shall be deemed to have warranted its title to such interest, and, upon receipt of the Unitized Substances or the proceeds thereof to the credit of such interest, shall indemnify and hold harmless all other Parties in Interest from any loss due to failure, in whole or in part, of its title to any such interest.

If the title or right of any Party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the direction of Working Interest Owners shall either:

(a) require that the Party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid furnish security for the proper accounting therefor to the rightful owner if the title or right of such Party fails in whole or in part, or

(b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so impounded shall be paid to the Party rightfully entitled thereto, provided, that as to State land or leases, no payments of funds due the State of New Mexico shall be withheld, such funds of the State shall be deposited as directed by the Commissioner, all to be held as unearned money pending final settlement of the title dispute and then applied as earned or returned in accordance with such final settlement.

Unit Operator, as such, is relieved from any responsibility for any dispute of title hereunder.

Any conveyance of all or any part of any interest owned by a Party with respect to any Tract shall be subject to this Agreement. No change of title shall be binding upon Unit Operator, or upon any Party other than the Party so transferring until 7:00 a.m. on the first day of the calendar month next succeeding the date of receipt by Unit Operator of a photocopy or a certified copy of the recorded instrument evidencing such change in ownership.

33. COUNTERPARTS. This agreement may be executed in any number of counterparts, no one of which needs to be executed by all parties, or it may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all those parties who have executed such a counterpart, ratification, or consent hereto with the same force and effect as if all such parties had signed the same document and regardless of whether or not it is executed by all other parties owning or claiming an interest in the lands within the above described Unit Area.

34. TAXES. The Working Interest Owners shall render and pay for their account and the account of the Royalty Owners all valid taxes on or measured by the Unitized Substances in and under or that may be produced, gathered and sold from the land subject to this agreement after the effective date of this agreement, or upon the proceeds or net proceeds derived therefrom. The Working Interest Owners in each Tract may charge the proper proportion of said taxes to the Royalty Owners having interests in said Tract, and may currently retain and deduct sufficient of the Unitized Substances or derivative products, or net proceeds thereof, from the allocated

share of each Royalty Owner to secure reimbursement for the taxes so paid. No such taxes shall be charged to the State of New Mexico or to any lessor who has a contract with his lessee which requires the lessee to pay such taxes.

In order to avoid title failures which might incidentally cause the title to a Working Interest or Royalty Interest to fail, the owners of (1) the surface rights to each committed Tract, (2) severed mineral or royalty interest in said Tracts and improvements located on said Tracts not utilized for Unit Operations shall individually be responsible for the rendition and assessment, for ad valorem tax purposes, of all such property, and for the payment of such taxes, except as otherwise provided in any contract or agreement between such owners and a Working Interest Owner or Owners. If any ad valorem taxes are not paid by such owner responsible therefor when due, Unit Operator may, at any time prior to tax sale, pay the same, redeem such property and discharge such tax liens as may arise through nonpayment. In the event Unit Operator makes any such payment or redeems any such property from tax sale, Unit Operator shall be reimbursed therefor by the Working Interest Owners in proportion to their respective Unit Participations then in effect, and Unit Operator shall withhold from any proceeds derived from the sale of Unitized Substances otherwise due to said delinquent taxpayer or taxpayers an amount sufficient to defray the costs of such payment or redemption, such withholding to be distributed among the Working Interest Owners in proportion to their respective contributions toward such payment or redemption. Such withholding shall be without prejudice to any other remedy, either at law or in equity, which may be available for exercise by the Unit Operator or by the Working Interest Owners.

35. NO PARTNERSHIP. The duties, obligations and liabilities of the parties hereto are intended to be several and not joint or collective. This agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation, or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligations as herein provided.

36. NO SHARING OF MARKET. This agreement is not intended to provide, and shall not be construed to provide, directly or indirectly, for any cooperative refining, joint sale, or marketing of Unitized Substances.

37. STATUTORY UNITIZATION. If and when Working Interest Owners owning at least 75% of the Phase I Unit Participation and Royalty Owners, save and except the State of New Mexico, owning at least 75% of the total Royalty Interest in the Unit have become parties to this Agreement in writing and such Working Interest Owners have also become parties to the Unit Operating Agreement, the Unit Operator may make application to the Division for statutory unitization of the uncommitted interests pursuant to the Statutory Unitization Act (Chapter 70, Article 7, New Mexico Statutes, 1978 Annotated).

38. DEPARTMENT OF ENERGY REGULATIONS. Working Interest Owners agree to release Unit Operator from any and all losses, damages, injuries, claims and causes of action arising out of, incident to or resulting directly or indirectly from Unit Operator's interpretation or application of rules, rulings, regulations or orders of the Department of Energy or predecessor agencies to the extent Unit Operator's interpretation or application of such rules, rulings, regulations or orders were made in good faith. Working Interest

Owners further agree to reimburse Unit Operator for their proportionate share of any amounts Unit Operator may be required to refund, rebate or pay as a result of an incorrect interpretation or application of the above noted rules, rulings, regulations or orders, together with their proportionate part of interest and penalties owing by Unit Operator as a result of such incorrect interpretation or application of such rules, rulings, regulations or orders.

39. BORDER AGREEMENTS. Subject to the approval of the Commissioner, the Unit Operator with Working Interest Owners' approval in accordance with the voting procedure in Article 4.3.2 of the Unit Operating Agreement, may enter into a border-protection agreement or agreements with the Working Interest Owners of lands adjacent to the committed Tracts with respect to the operations in the border area for the maximum ultimate recovery, conservation purposes and property protection of the parties and interest.

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed as of the date first written and have set opposite their respective names the date of execution and the address of each of the respective executing parties.

P. C. Box 3109
Midland, Texas 79702

Date: May 28, 1981

TEXACO INC.
UNIT OPERATOR AND WORKING INTEREST OWNER

By *Lee R. [Signature]*
Attorney-in-Fact

THE STATE OF TEXAS
COUNTY OF MIDLAND

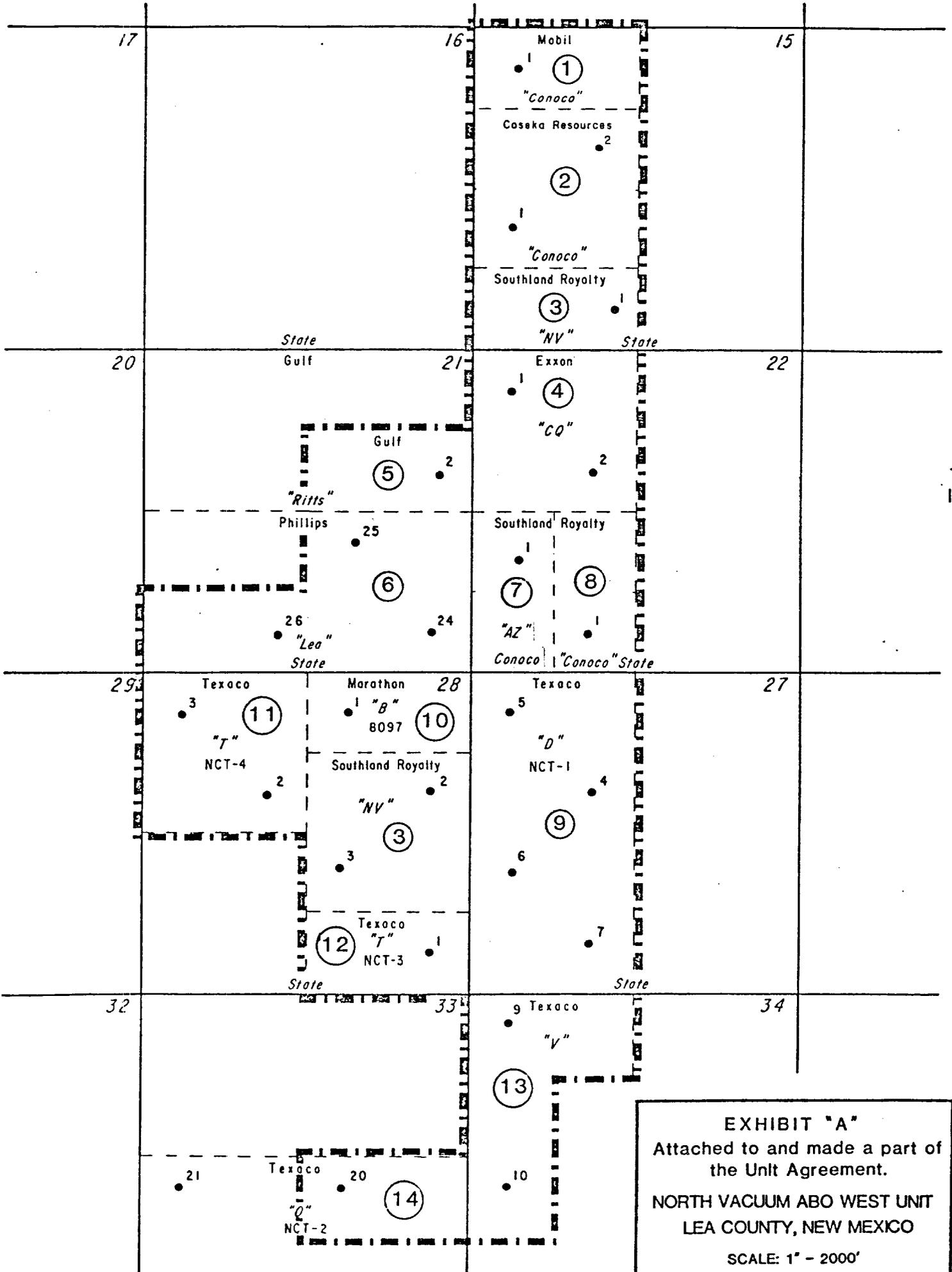
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The foregoing instrument was acknowledged before me this 28th day of May, 1981, by [Signature], Attorney-in-Fact for TEXACO INC., a Delaware corporation, on behalf of said corporation.

Martha Fincher Martha Fincher
Notary Public in and for
Midland County, Texas

My Commission Expires:
12-29-84

R-34-E



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EXHIBIT "A"
 Attached to and made a part of
 the Unit Agreement.
NORTH VACUUM ABO WEST UNIT
LEA COUNTY, NEW MEXICO
 SCALE: 1" = 2000'
 7-25-80

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
1	Conoco State T-17-S,R-34-E Sec. 15: N/2NW/4	80	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 12.5%	Mobil Producing Texas & New Mexico Inc.	88.34199	4.56239	3.78429
							Shell Oil Company	8.25329	0.42624	0.35354
							Texaco Inc.	1.58749	0.08198	0.06800
							Amerada Hess Corp.	1.03667	0.05354	0.04441
							Partnership Properties Co.	0.19778	0.01021	0.00847
							M & B Investments	0.14128	0.00729	0.00605
							Ladd Petroleum Corporation	0.08477	0.00438	0.00363
							R. W. Keener	0.02825	0.00146	0.00121
							Wesley T. House	0.08831	0.00456	0.00378
							E. H. Holcomb	0.07064	0.00365	0.00303
							J. A. Davidson	0.02825	0.00146	0.00121
							Martin Andersen	0.07064	0.00365	0.00303
							David K. Watkiss	0.04238	0.00219	0.00182
							Francis S. Williams	0.02826	0.00146	0.00121
								100.00000	5.16446	4.28368

EXHIBIT "B"
 ATTACHED TO AND PART OF THE UNIT AGREEMENT
 NORTH VACUUM ABO WEST UNIT
 LEA COUNTY, NEW MEXICO

TRACT NUMBER	LEASE NAME AND DESCRIPTION	NUMBER OF ACRES	NEW MEXICO STATE LEASE NUMBER	BASIC ROYALTY	LESSEE OF RECORD	OVERRIDING ROYALTY OWNER AND AMOUNT	WORKING INTEREST OWNER	% WORKING INT. IN TRACT	PHASE I % TRACT PART.	PHASE II % TRACT PART.
2	Conoco State T-17-S,R-34-E Sec. 15: S/2 NW/4 & N/2 SW/4	160	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 18.50% Paul M. Mershon, Jr. 2.00% Vincent E. Shyrack 2.00%	Coseka Resources (U.S.A.) LTD.	100.00000	5.60607	3.95942
3	State "NV" T-17-S,R-34-E Sec.15: S/2SW/4 Sec.28: S/2NE/4 & N/2SE/4	240	E-8712	State of New Mexico 12.5%	Southland Royalty Co.	None	Southland Royalty Company	100.00000	19.66127	24.17608
4	State "OQ" T-17-S,R-34-E Sec. 22: NW/4	160	B-936	State of New Mexico 12.5%	Exxon Corp.	None	Exxon Corp.	100.00000	8.57579	7.64546
5	State "RITTS" T-17-S,R-34-E Sec.21: S/2NE/4	80	B-3385-4	State of New Mexico 12.5%	Gulf Oil Corp.	None	Gulf Oil Corp.	100.00000	3.81803	3.95852
6	State "LEA" T-17-S,R-34-E Sec.21: SE/4 & S/2SW/4	240	B-4118	State of New Mexico 12.5%	Phillips Petroleum Co.	None	Phillips Petroleum Co.	100.00000	5.54385	3.17922
7	Conoco State Comm "AZ" T-17-S,R-34-E Sec.22: W/2SW/4	80	B-3196 (NW/4SW/4) E-8712 (SW/4SW/4)	State of New Mexico 12.5%	Conoco Inc. (B-3196) Southland Royalty Co. (E-8712)	Conoco Inc. 7.5%	Southland Royalty Co.	100.00000	2.28669	1.75974

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8	Conoco State T-17-S,R-34-E Section 22: E/2 SW/4	80	B-3196	State of New Mexico 12.5%	Conoco Inc.	Conoco Inc. 15%	Southland Royalty Company	100.00000	3.09894	2.71724
9	N.M. "D" State NCT-1 T-17-S,R-34-E Sec.27: W/2	320	B-143-3	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	21.89709	24.85615
10	State "B" T-17-S,R-34-E Section 28: N/2NE/4	80	B-8097	State of New Mexico 12.5%	Marathon Oil Company	None	Marathon Oil Company	100.00000	3.99915	4.18086
11	N.M. "T" State NCT-4 T-17-S,R-34-E Sec.28: NW/4	160	B-1030-1	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	4.73415	3.62794
12	N.M. "T" State NCT-3, T-17-S, R-34-E, Sec.28: S/2SE/4	80	B-1030-1	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	7.52729	8.70488
13	N.M. "V" State T-17-S,R-34-E Sec.34: N/2NW/4, SW/4NW/4 & NW/4SW/4	160	B-871-1	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	6.22977	5.69854

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14	N.M. "0" State NCT-2 T-17-S,R-34-E Sec.33: N/2SE/4	80	B-155-1	State of New Mexico 12.5%	Texaco Inc.	None	Texaco Inc.	100.00000	1.85745	1.25227
		2,000							100.00000	100.00000