PREDCTION FOR APPROVAL OF THE TRAIL CARROS UNIT AGRESMENT.

24.

CASE 170. 5181

Application,

Transcripts,

Small Ekhibts



PHIL R. LUCERO COMMISSIONER

State of New Mexico



Commissioner of Public Lands

PRECEIVED FEB 1 0 1975
ON CHARLESTON

P. O. BOX 1148 SANTA FE, NEW MEXICO 87501

PROTOCOLO MAIL

Acres Production Company P. O. Box 3092 Mouston, Tomas 77001

> He: Trail Compon Unit Transplicture Bidy County, New Mordes

ATTENTION: Mr. Joe Pulido

Gant Laure :

This letter ecknowledges receipt of your reply to our letter of Jamery 29, 1975, advising that Amono Production Company, as apendor of the Trail Compan Unit agreement, does not intend to crill a second took well to prevent automatic termination of the unit under the terms of the agreement.

The Intil Coupon Bait agreement was approved on April 9, 1974, effective so of April 15, 1974. The team of the agreement is contingent upon the unit operator drilling one wall at a time, allowing not now than six menths time between the completion of one well and the beginning of the next well, until a well exphale of producing unitiesd substances in paying quantities is completed.

Our records show the first test well was completed July 8, 1974 as a dry hole. The second test well was due to be communed by January 8, 1975. Interest as the second test well was not communed, the Trail Conyon unit agreement is automatically terminated as of January 8, 1975.

Please notify all interested perties of this action.

Very truly yours,

PHIL R. LUCKRO CORRESSIONER OF PUBLIC LANDS

BY: RAY D. GRAHAM, Director 011 and Ges Division

PRL/RDG/s

oc: USGS-Roswell, New Maxico OCC- Sents Fe, New Mexico

Operator Amoco Production Company Unit Name TRAIL CANYON UNIT (EXPLORATORY)

Eddy County

DATE APPROVED OCC CASE NO. 5181 OCC ORDER NO. R-4748 (April 15, 1974) 5,758.4 EFFECTIVE LATOL 4,838.4 640.00 MONTH THE 280.00 SEGREGATION CLAUSE Yes

5 yrs.

UNIT AREA

TOWNSHIP 24 SOUTH, RANGE 23 EAST, NMPM Sections 1 through 3: All Sections 9 through 11: All Sections 14 through 16: All

TENTAL BY

Unit Name TRAIL CANYON UNIT (EXPLORATORY)

Operator Amoco Production Company

County Eddy

10	\\(\rightarrow\)	&	7		U	4	ω	STATE TRACT NO.
IG-284-1	IG-283	IG-282-1	LG-280-1	LG-278-1	LG-277	K-4255	K-4046	LEASE NO.
C.S.	D.D&B	D. D&B	D.D&B ↔	D.D. &B	C.S.	D.D.&B	D.D. &B	INSTI-
16	14	10	19 .		12	15	H	SEC.
248	24S 24S	248	248	248	248	248	248	TWP.
23E	23E 23E	23E	23E	23E	23E	23E	23E	RGE.
A11	NW/4, N/2NE/4, SW/4NE/4, SE/4, N/2SW/4, SE/4SW/4 S/2SE/4	A11	W/2NW/4, E/2NE/4, SW/4NE/4, S/2	Lots 1, 2, 3, 4, S/2NE/4, SE/4NW/4, NE/4SW/4, S/2SW/4, SE/4 3-13-74	Lots 1, 2, 3, 4, S/2N/2, S/2	N/2, N/2S/2, S/2SW/4	A11	SUBSECTION
3-13-74	NOT COMMITTED	3-13-74	2 3-13-74	s/4 3-13-74	3-6-74	4-8-74	3-6-74	RATIFIED DATE
640.00	640.00	640.00	520.00	559.2	639.2	560.00	640.00	ACRES
								ACREAGE NOT RATIFIED
Inexco OllCompany	P. R. Bass	Inexco Oil Company	Inexco Oil Company	Inexco 011 Company	Amoco Production Co.	Southland Royalty Co.	Amoco Production Co.	LESSEE

TE STATED



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857 Roswell, New Mexico 85201

February 10, 1975

5181

OIL COMPRESSION CON

 $\tilde{S} \approx \mathcal{C}_{0}^{2} \mathcal{F}_{0} = \mathcal{F}_{0}$

Auroco Production Company Attantion: Mr. Joe C. Pulido P.O. Box 3092 Nometon, Texas 77001

Gentlemen:

This letter acknowledges receipt of your letter of December 19, 1974, advising that Amoco Production Company, as operator of the Trail Company unit agreement, does not intend to drill a second test well to prevent automatic termination of the unit under the terms of the agreement.

The Trail Canyon unit agreement, No. 14-08-0001-14160, was approved on April 15, 1974, effective as of the date of approval. The term of the agreement is contingent upon the unit operator drilling one well at a time, allowing not more than six months time between the completion of one well and the beginning of the next well, until a well capable of producing unitised substances in paying quantities is completed.

Our records show the first test well was completed as a dry hole on July 8, 1974. The second test well was due to be commenced by January 8, 1975. Inscruch as the second test well was not commenced, the Trail Campon unit agreement is considered to have terminated automatically as of January 8, 1975, pursuant to Section 9 of the agreement.

Sincerely yours,

CARL C. TRAYWICK Acting Area Oil and Gas Supervisor

CC:
BLM, Santa Fe
Com. Pub. Lands, Santa Fe
NMOCC, Santa Fe
Area Geologist, Roswell
Artesia

ARStall:ds

Note to BLM: All committed Federal leases within the Trail Canyon unit area should be considered for two year extension pursuant to 43 CFR 3107.5, as applicable.



United States Department of the Interior

GEOLOGICAL SURVEY Drawer 1857 Roswell, New Hexico 88201

April 15, 1974

Memorandem

From:

5181

L CC-15 DEFINION CO

To: Chief, Branch of Lands and Minerals Operations, Bureau of Land Management, Santa Pe, New Mexico

Acting Ares Oil and Gas Supervisor, Southern Rocky

Mountain Area

Subject: Trail Compon unit agreement, No. 14-08-0001-14161,

Eddy County, New Mexico

One approved copy of the subject unit agreement is enclosed. Such agreement has been assigned No. 14-08-0001-14160, and is effective as of April 15, 1974, the date approved. The basic information of this agreement is itemized as follows:

- 1. The unit agreement is dated February 1, 1974.
- 2. The unit operator is Amoco Production Company.
- 3. The unit area was designated by the Acting Director on February 14, 1974.
- 4. The text of the agreement is identical to the 1968 reprint of the Standard Form of Unit Agreement modified for inclusion of State land, fee land, and special lease stipulations.
- 5. Unitization covers all formations within the unit area.
- 6. No oil or gas has been discovered within the unit area.
- 7. The unit area embraces 5,758.4 acres, composed of 640 acres Federal land, 4,838.4 acres of State land, and 280 acres of fee land.
- 8. The following Federal leases embrace lands included within the unit area:

NM 10584

NM 12391

9. All lands and interests are effectively committed except tract No. 9 which is in no part committed. This tract comprises 640 acres or 11 percent of the unit total.

cc:

CARL C. TRAYWICK

to comit the second

Com. Pub. Lands, Santa Fe NMOCC, Santa Fe Artesia



United States Department of the Interior

GEOLOGICAL SURVEY Roswell, New Mexico 88201

April 15, 1974

Amoco Production Company P.O. Box 3092 Houston, Texas 77001

Attention: Mr. Jack D. Anderson

One approved copy of the Trail Canyon unit agreement, Eddy County, One approved copy of the Irail Campon unit agreement, many County, New Hexico, with Amoco Production Company as operator, is enclosed.

Such agreement has been assigned No. 14-08-0001-14160 and is effective. Gentlemen: April 15, 1974, the same date as approved.

You are requested to furnish the New Mexico Oil and Gus Conservation You are requested to remain the new mexico us and Gus Conservation.

Commission and all other interested principals with appropriate evidence of this approval. Sincerely yours,

OIL CONSERVATION COMM.

(ORIG. SED) CARL C. TRATTATOR

Acting Area Oil and Gas Supervisor CARL C. TRAYFICK

NMOCC, Santa Fe (1tr only) Area Geologist, Roswell (ltr only) Artesia (w/cy appln)

JFSims:ds

State of New Mexico



ALEX J. ARMIJO COMMISSIONER



Commissioner of Rublic Lands CIL CONSERVATION COMM.

April 9, 1974

P. O. BOX 1148 SANTA FE, NEW MEXICO

Amoce Production Company 500 Jefferson Building P. O. Box 3091 Houston, Temes 77001

> Re: Trail Conyon Unit Eddy County, New Mexico

ATTEMPION: Mr. Jack D. Anderson

Cont lemen:

The Commissioner of Public Lands has this date given final approval to your Trail Campon Unit, Eddy County, New Mexico. This approval is subject to like approval by the United States Geological Survey.

As stated in your letter, tract 9 will not be committed to the mit.

Enclosed are five (5) Certificates of approval. We are sending a copy of this letter as well as a copy of the Certificate to the United States Geological Survey.

Please advise this effice when the USGS approves this unit so that we may finish processing the agreement and ascertain the effective date.

Very truly yours,

RAY D. GRAHAM, Director Oil and Gas Department

AJA/RDG/a encls.

CCI

USGS-Roswell, New Mexico OCC- Santa Fe, New Mexico



Amoco Production Company

500 Jefferson Building P.O. Box 3092 Houston, Texas 77001

April 23, 1974

EA 47,154

Trail Canyon Unit

Eddy County, New Mexico

5181

New Mexico 0il Conservation Commission P. O. Box 2088 Santa Fe, New Mexico

Dear Sir:

On March 13, 1974, the NMOCC held a hearing concerning the captioned unit. In accordance with your Case Number 5181, Order Number R-4748, we enclose copy of the Unit Agreement pertaining to the Trail Canyon Unit along with copies of Ratifications from each of the working interest owners who ratified the Unit Agreement. We also enclose for your files a copy of the United States Geological Survey approval stating that the captioned unit was approved effective April 15, 1974.

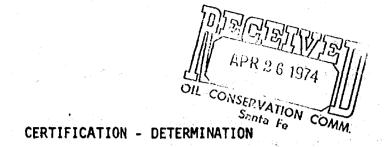
We wish to advise that tract 9 of the unit is not committed to the unit agreement as Perry R. Bass refused to ratify the Unit Agreement. This was pointed out to you during the hearing of March 13, 1974. Thank you very much for your prompt attention in granting your approval as of March 15, 1974.

Yours truly,

Jack D. Anderson Land Department

JDA/dgh 2/6671

Enclosures



Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the 0il and Gas Supervisor of the Geological Survey (33 F.R. 5812), I do hereby:

- A. Approve the attached agreement for the development and operation of the Trail Canyon Unit Area, State of New Mexico.
- B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.
- C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated: April 15 197/4

Oll and Gas Supervisor, United States Geological Survey

Contract Number: 14-08-0001-14161

U. S. GEOLOGICAL SURVEY.
ROSWELL, NEW MEXICO.

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED "UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT" TRAIL CANYON UNIT AREA EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Trail Canyon Unit Area, County of Eddy, State of New Mexico", dated February 1, 1974, hereinafter referred to as the "Unit Agreement", and the undersigned owner (whether one or more) of working interests hereby acknowledges receipt of a true copy of said Unit Agreement and a true copy of the "Unit Operating Agreement, Trail Canyon Unit Area, County of Eddy, State of New Mexico", dated February 1, 1974, hereinafter referred to as the "Unit Operating Agreement"; and

WHEREAS, Exhibits "A" and "B" attached to said Unit Agreement identify the tracts which may become a part of the Trail Canyon Unit Area; and

WHEREAS, the undersigned represents that it is the owner of a royalty, overriding royalty or production payment interest, or of a working interest, or both, in one or more of the tracts identified by said Exhibits.

NOW, THEREFORE, the undersigned owner of royalty, overriding royalty or production payment interests only desires to and does hereby ratify, confirm and become a party to said Unit Agreement, and the undersigned owner or working interests only, or the owner of both working interests and royalty, overriding royalty or production payment interests desires to and does hereby ratify, confirm and become a party to said Unit Agreement and said Unit Operating Agreement with respect to all of its interests in all of the tracts identified by said exhibits.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth in its acknowledgement.

ATTEST:

What land	INEXCO OIL COMPANY
morrow- secremen	Men of francis
Conditionally accepted by Letter dated March 13, 1974	
STATE OF Texas	
COUNTY OF Harris	
The foregoing instrument was of <u>March</u> , 1974, by <u>Wi</u> Inexco Oil Company.	acknowledged before me this 13th day lliam G. Goodwin. Vice President of
My Commission expires:	Donna S. Burger
June 1, 1975	Notary Public in and for Harris County, <u>Texas</u> Donna S. Burgess
STATE OF	
COUNTY OF	
of , 1974, by	acknowledged before me this day
	of
My Commission expires:	Notany Public in and for

County,

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED "UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT" TRAIL CANYON UNIT AREA EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Trail Canyon Unit Area, County of Eddy, State of New Mexico", dated February 1, 1974, hereinafter referred to as the "Unit Agreement", and the undersigned owner (whether one or more) of working interests hereby acknowledges receipt of a true copy of said Unit Agreement and a true copy of the "Unit Operating Agreement, Trail Canyon Unit Area, County of Eddy, State of New Mexico", dated February 1, 1974, hereinafter referred to as the "Unit Operating Agreement"; and

WHEREAS, Exhibits "A" and "B" attached to said Unit Agreement identify the tracts which may become a part of the Trail Canyon Unit Area; and

WHEREAS, the undersigned represents that it is the owner of a royalty, overriding royalty or production payment interest, or of a working interest, or both, in one or more of the tracts identified by said Exhibits.

NOW, THEREFORE, the undersigned owner of royalty, overriding royalty or production payment interests only desires to and does hereby ratify, confirm and become a party to said Unit Agreement, and the undersigned owner or working interests only, or the owner of both working interests and royalty, overriding royalty or production payment interests desires to and does hereby ratify, confirm and become a party to said Unit Agreement and said Unit Operating Agreement with respect to all of its interests in all of the tracts identified by said exhibits.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth in its acknowledgement.

SOUTHLAND ROYALTY COMPANY JOHN C. HARVEY Vice President COUNTY OF	
The foregoing instrument was acknowledged before me this gth april 1974, by JOHN C. HARVEY To Grand 1974, by JOHN C. HARVEY Wice President To Commission expires: THERESSA WEZESINSKI, Notary Public in and for Tarrant County, Texas My commission expires June 1, 1975 The foregoing instrument was acknowledged before me this	
The foregoing instrument was acknowledged before me this gth april 1974, by JOHN C. HARVEY Your President Y Commission expires: THE OF Notary Public in and for Javant County, Texas My commission expires June 1, 1975 OUNTY OF The foregoing instrument was acknowledged before me this)
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The foregoing instrument was acknowledged before me this gth family, 1974, by JOHN C. HARVEY You President y Commission expires: THERESSA WRZESINSKI, Notary Public in and for Javant County, Texas My commission expires June 1, 1975 OUNTY OF The foregoing instrument was acknowledged before me this	
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Notary Public in and for Javant County, Jexas THERESSA WRZESINSKI, Notary Public in and for Tarrant County, Texas My commission expires June 1, 1975 OUNTY OF The foregoing instrument was acknowledged before me this	day
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The foregoing instrument was acknowledged before me this	
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ly Commission expires:	,
Notary Public in and for County.	

MAR 11 1974 U. S. GEOLOGICAL COR ROSWELL, NO.

CERTIFICATION - DETERMINATION

Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and délegated to the 0il and Gas Supervisor of the Geological Survey (33 F.R. 5812), I do hereby:

- A. Approve the attached agreement for the development and operation of the Trail Canyon Unit Area, State of New Mexico.
- B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.
- C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated:	
	Oil and Gas Supervisor.
	Oil and Gas Supervisor, United States Geological Survey
Contract Number:	
: :	

UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE TRAIL CANYON UNIT AREA COUNTY OF EDDY, STATE OF NEW MEXICO

U. B. G. OLOGICAL SURVEY. ROSWELL, NEW MEXICO

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Exhibit "B" (Description of interests subject to agreement)

UNIT AGREEMENT

FOR THE DEVELOPMENT AND OPERATION

OF THE

TRAIL CANYON UNIT AREA
COUNTY OF EDDY
STATE OF NEW MEXICO

|--|

THIS AGREEMENT, entered into as of the 1st day of February, 1974, by and between the parties subscribing, ratifying, or consenting hereto, and herein referred to as the "parties hereto,"

WITNESSETH:

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 Mineral Leasing Act of February 25, 1920, 41 Stat.

437, as amended, 30 U.S.C. Secs. 181 et seq., authorizes Federal lessees
and their representatives to unite with each other, or jointly or separately
with others, in collectively adopting and operating a cooperative or
unit plan of development or operation of any oil or gas pool, field,
or like area, or any part thereof for the purpose of more properly
conserving the natural resources thereof whenever determined and certified
by the Secretary of the Interior to be necessary or advisable in the
public interest; and

WHEREAS, the Commissioner of Public Lands of the State of
New Mexico is authorized by an Act of the Legislature (Sec. 1, Chap. 88,
Laws 1943 as amended by Sec. 1 of Chapter 162, Laws of 1951), (Chap. 7,
Art. 11, Sec. 39, N.M. Statutes 1953 Annot.), 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, Chap. 7, Art. 11, Sec. 41 N.M. 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 Commission of the State of New Mexico is authorized by an Act of the Legislature (Chapter 72, Laws of 1935, as amended by Chapter 193, Laws of 1937; Chapter 166, Laws of 1941; and Chapter 168, Laws of 1949) to approve this agreement and the conservation provisions hereof; and

WHEREAS the parties hereto hold sufficient interests in the Trail Canyon Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

WHEREAS, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area 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 below-defined unit area, and agree severally among themselves as follows:

- 1. ENABLING ACT AND REGULATIONS. The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder or valid, pertinent, and reasonable regulations hereafter issued thereunder are accepted and made a part of this agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the effective date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the State in which the non-Federal land is located, are hereby accepted and made a part of this agreement.
- 2. UNIT AREA. The area specified on the map attached hereto marked Exhibit "A" is hereby designated and recognized as constituting the unit area, containing 5758.4 acres, more or less.

Exhibit "A" shows, in addition to the boundary of the unit area, the boundaries and identity of tracts and leases in said area

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to the extent known to the Unit Operator. Exhibit "B" attached hereto is a schedule showing to the extent known to the Unit Operator the acreage, percentage, and kind of ownership of oil and gas interests in all land in the unit area. However, nothing herein or in said schedule or map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes in the unit area render such revision necessary, or when requested by the Oil and Gas Supervisor, hereinafter referred to as "Supervisor" and not less than five copies of the revised exhibits shall be filed with the Supervisor, and two copies with the Commissioner of Public Lands of the State of New Mexico, hereinafter referred to as the "Commissioner", and one copy with the New Mexico Oil Conservation Commission, hereinafter referred to as "State Commission".

The above-described unit area shall when practicable be expanded to include therein any additional lands or shall be contracted to exclude lands whenever such expansion or contraction is deemed to be necessary or advisable to conform with the purposes of this agreement. Such expansion or contraction shall be effected in the following manner:

- (a) Unit Operator, on its own motion or on demand of the Director of the Geological Survey, hereinafter referred to as "Director," or on demand of the Commissioner after preliminary concurrence by the Director, shall prepare a notice of proposed expansion or contraction 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 Supervisor and the Commissioner 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

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with the Supervisor and the Commissioner evidence of mailing of the notice of expansion or contraction 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 or contraction and with appropriate joinders.

- (d) After due consideration of all pertinent information, the expansion or contraction shall, upon approval by the Supervisor and the Commissioner, become effective as of the date prescribed in the notice thereof.
- (e) All legal subdivisions of lands (i.e., 40 acres by Government survey or its nearest lot or tract equivalent; in instances of irregular surveys unusually large lots or tracts shall be considered in multiples of 40 acres or the nearest aliquot equivalent thereof), no parts of which are entitled to be in a participating area on or before the fifth anniversary of the effective date of the first initial participating area established under this unit agreement, shall be eliminated automatically from this agreement, effective as of said fifth anniversary, and such lands shall no longer be a part of the unit area and shall no longer be subject to this agreement, unless diligent drilling operations are in progress on unitized lands not entitled to participation on said fifth anniversary, in which event all such lands shall remain subject hereto for so long as such drilling operations are continued diligently, with not more than 90 days' time elapsing between the completion of one such well and the commencement of the next such well. All legal subdivisions of lands not entitled to be in a participating area within 10 years after the effective date of the first initial participating area approved under this agreement shall be automatically eliminated from this agreement as of said tenth anniversary. All lands proved productive by diligent drilling operations after the aforesaid 5-year period shall become participating in

the same manner as during said 5-year period. However, when such diligent drilling operations cease, all nonparticipating lands shall be automatically eliminated effective as of the 91st day thereafter. The unit operator shall within 90 days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Supervisor and Commissioner and promptly notify all parties in interest.

If conditions warrant extension of the 10-year period specified in this subsection 2(e), a single extension of not to exceed 2 years may be accomplished by consent of the owners of 90% of the working interests in the current nonparticipating unitized lands and the owners of 60% of the basic royalty interests (exclusive of the basic royalty interests (exclusive of the basic royalty interests of the United States) in nonparticipating unitized lands with approval of the Director and Commissioner, provided such extension application is submitted to the Director and the Commissioner not later than 60 days prior to the expiration of said 10-year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not be considered automatic commitment or recommitment of such lands.

- 3. UNITIZED LAND AND UNITIZED SUBSTANCES. All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement." All oil and gas in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances."
- 4. UNIT OPERATOR. Amoco Production Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties and obligations of Unit Operator for the discovery, 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 an interest is owned by it.

5. RESIGNATION OR REMOVAL OF UNIT OPERATOR. Unit Operator shall have the right to resign at any time prior to the establishment of a participating area or areas hereunder, 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 6 months after notice of intention to resign has been served by Unit Operator on all working interest owners, the Supervisor and Commissioner, and until all wells then drilled hereunder are placed in a satisfactory condition for suspension or abandonment whichever is required by the Supervisor or Commissioner, 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.

Unit Operator shall have the right to resign in like manner and subject to like limitations as above provided at any time a participating area established hereunder is in existence, but, in all 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 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 of Unit Operator shall not release Unit Operator from any liability for any default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by the same percentage vote of the owners of working interests as herein provided for the selection of a new Unit Operator. Such removal shall be effective upon notice thereof to the Supervisor and the Commissioner.

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 interest in unitized substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all wells, equipment, materials, and appurtenances used in conducting the unit operations to the new duly qualified successor Unit Operator or to the common agent, 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.

6. SUCCESSOR UNIT OPERATOR. Whenever the Unit Operator shall tender his or its resignation as Unit Operator or shall be removed as hereinabove provided, or a change of Unit Operator is negotiated by working interest owners, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or, until a participating area shall have been established, the owners of the working interest according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator: Provided,

That, if a majority but less than 75 percent of the working interests qualified to vote are owned by one party to this agreement, a concurring vote of one or more additional working interest owners shall be required to select a new operator. 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 Supervisor and Commissioner.

If no successor Unit Operator is selected and qualified as herein provided, the Director at his election may declare this unit agreement terminated.

7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. If the 2 Unit Operator is not the sole owner of working interests, costs and 3 expenses incurred by Unit Operator in conducting unit operations hereunder shall be paid and apportioned among and borne by the owners of 5 working interests, all in accordance with the agreement or agreements entered into by and between the Unit Operator and the owners of working 7 interests, whether one or more, separately or collectively. Any agreement or agreements entered into between the working interest owners and the Unit Operator as provided in this section, whether one or more, are herein referred to as the "unit operating agreement." Such unit 10 11 operating agreement shall also provide the manner in which the working 12 interest owners shall be entitled to receive their respective proportionate 13 and allocated share of the benefits accruing hereto in conformity with 14 their underlying operating agreements, leases, or other independent 15 contracts, and such other rights and obligations as between Unit Operator 16 and the working interest owners as may be agreed upon by Unit Operator 17 and the working interest owners; however, no such unit operating agreement shall be deemed either to modify any of the terms and conditions of 18 19 this unit agreement or to relieve the Unit Operator of any right or 20 obligation established under this unit agreement, and in case of any 21 inconsistency or conflict between this unit agreement and the unit 22 operating agreement, this unit agreement shall govern. Three true 23 copies of any unit operating agreement executed pursuant to this section 24 should be filed with the Supervisor and two true copies with the Commissioner, 25 prior to approval of this unit agreement.

8. 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 which are necessary or convenient for prospecting for, producing, storing, allocating, and distributing the unitized substances are hereby delegated to and shall

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be exercised by the Unit Operator as herein provided. 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 or to any lease or operating 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.

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9. DRILLING TO DISCOVERY. Within 6 months after the effective date hereof, the Unit Operator shall begin to drill an adequate test well at a location approved by the Supervisor, if on Federal land and if upon State or patented lands, such location shall be approved by the Commissioner or State Commission unless on such effective date a well is being drilled conformably with the terms hereof, and thereafter continue such drilling diligently until all of the formations of Pennsylvanian Age have been tested or until at a lessor depth unitized substances shall be discovered which can be produced in paying quantities (to wit: quantities sufficient to repay the costs of drilling, completing, and producing operations, with a reasonable profit) or the Unit Operator shall at any time establish to the satisfaction of the Supervisor, if on Federal land or to the Commissioner and the State Commission as to wells on State or patented lands, that further drilling of said well would be unwarranted or impracticable, provided, however, that Unit Operator shall not in any event be required to drill said well to a depth in excess of 10,800 feet. Until the discovery of a deposit of unitized substances capable of being produced in paying quantities, the Unit Operator shall continue drilling diligently one well at a time, allowing not more than 6 months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of said Supervisor, if it be on Federal land and if upon State or patented lands to the satisfaction of the Commissioner or the State Commission, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities in the formations drilled hereunder. Nothing in this

as provided in Section 5, hereof, or as requiring Unit Operator to commence or continue any drilling during the period pending such resignation becoming effective in order to comply with the requirements of this section. The Supervisor and the Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in his opinion, such action is warranted.

Upon failure to commence any well provided for in this section within the time allowed, including any extension of time granted by the Supervisor and the Commissioner, this agreement will automatically terminate; upon failure to continue drilling diligently any well commenced hereunder, the Supervisor and Commissioner may, after 15-days' notice to the Unit Operator, declare this unit agreement terminated.

10. PLAN OF FURTHER DEVELOPMENT AND OPERATION. Within 6 months after completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall submit for the approval of the Supervisor, the Commissioner and the State Commission an acceptable plan of development and operation for the unitized land which, when approved by the Supervisor, the Commissioner and the State Commission shall constitute the further drilling and operating obligations of the Unit Operator under this agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Supervisor, the Commissioner and the State Commission a plan for an additional specified period for the development and operation of the unitized land.

Any plan submitted pursuant to this section shall provide for the exploration of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor, the Commissioner and the State Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall:

(a) specify the number and locations of any wells to be drilled and the proposed order and time for such drilling; and

(b) to the extent practicable specify the operating practices regarded as necessary and advisable for proper conservation of natural resources.

Separate plans may be submitted for separate productive zones, subject to the approval of the Supervisor, the Commissioner and the State Commission.

Plans shall be modified or supplemented when necessary to meet changed conditions or to protect the interests of all parties to this agreement. Reasonable diligence shall be exercised in complying with the obligations of the approved plan of development. The supervisor and the Commissioner are authorized to grant a reasonable extension of the 6-month period herein prescribed for submission of an initial plan of development where such action is justified because of unusual conditions or circumstances. After completion hereunder of a well capable of producing any unitized substance in paying quantities, no further wells, except such as may be necessary to afford protection against operations not under this agreement and such as may be specifically approved by the Supervisor and the Commissioner, shall be drilled except in accordance with a plan of development approved as herein provided.

11. PARTICIPATION AFTER DISCOVERY. Upon completion of a well capable of producing unitized substances in paying quantities or as soon thereafter as required by the Supervisor and the Commissioner, the Unit Operator shall submit for approval by the Supervisor, the Commissioner and the State Commission a schedule, based on subdivisions of the public-land survey or aliquot parts thereof, of all land then regarded as reasonably proved to be productive in paying quantities; all lands in said schedule on approval of the Supervisor, the Commissioner and the State Commission to constitute a participating area, effective as of the date of completion of such well or the effective date of this unit agreement, whichever is later. The acreages of both Federal and non-Federal lands shall be based upon appropriate computations from the courses and distances shown on the last approved public-land

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survey as of the effective date of each initial participating area. Said schedule shall also set forth the percentage of unitized substances to be allocated as herein provided to each tract in the participating area so established, and shall govern the allocation of production commencing with the effective date of the participating area. A separate participating area shall be established for each separate pool or deposit of unitized substances or for any group thereof which is produced as a single pool or zone, and any two/or more participating areas so established may be combined into one, on approval of the Supervisor, the Commissioner and the State Commission. When production from two or more participating areas, so established, is subsequently found to be from a common pool or deposit said participating areas shall be combined into one effective as of such appropriate date as may be approved or prescribed by the Supervisor, the Commissioner and the State Commission. The participating area or areas so established shall be revised from time to time, subject to like approval, to include additional land then regarded as reasonably proved to be productive in paying quantities or necessary for unit operations, or to exclude land then regarded as reasonably proved not to be productive in paying quantities and the schedule of allocation percentages shall be revised accordingly. The effective date of any revision shall be the first of the month in which is obtained the knowledge or information on which such revision is predicated, provided, however, that a more appropriate effective date may be used if justified by the Unit Operator and approved by the Supervisor, the Commissioner and the State Commission. No land shall be excluded from a participating area on account of depletion of the unitized substances, except that any participating area established under the provisions of this unit agreement shall terminate automatically whenever all completions in the formation on which the participating area is based are abandoned.

It is the intent of this section that a participating area shall represent the area known or reasonably estimated to be productive in paying quantities; but, regardless of any revision of the participating area, nothing herein contained shall be construed as requiring any retroactive adjustment for production obtained prior to the effective date of the revision of the participating area.

In the absence of agreement at any time between the Unit Operator and the Supervisor, the Commissioner and the State Commission as to the proper definition or redefinition of a participating area, or until a participating area has, or areas have, been established as provided herein, the portion of all payments affected thereby shall be impounded in a manner mutually acceptable to the owners of working interests and the Supervisor and Commissioner. Royalties due the United States and the State of New Mexico shall be determined by the Supervisor and Commissioner and the amount thereof shall be deposited, as directed by the Supervisor and the Commissioner, respectively, to be held as unearned money until a participating area is finally approved and then applied as earned or returned in accordance with a determination of the sum due as Federal and State royalty on the basis of such approved participating area.

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Whenever it is determined, subject to the approval of the Supervisor as to wells on Federal land, the Commissioner as to wells on State lands, and the State Commission as to wells on patented lands, that a well drilled under this agreement is not capable of production in paying quantities and inclusion of the land on which it is situated in a participating area is unwarranted, production from such well shall, for the purposes of settlement among all parties other than working interest owners, be allocated to the land on which the well is located unless such land is already within the participating area established for the pool or deposit from which such production is obtained. Settlement for working interest benefits from such a well shall be made as provided in the unit operating agreement.

12. ALLOCATION OF PRODUCTION. All unitized substances produced from each participating area established under this agreement, except any part thereof used in conformity with good operating practices within the unitized area for drilling, operating, camp and other production or development purposes, for repressuring or recycling in accordance with a plan of development approved by the Supervisor, the Commissioner and the State Commission, or unavoidably lost, shall be deemed to be produced equally on an acreage basis from the several tracts of unitized land of the participating area established for such production and, for the

purpose of determining any benefits accruing under this agreement, each such tract of unitized land shall have allocated to it such percentage of said production as the number of acres of such tract included in said participating area bears to the total acres of unitized land in said participating area, except that allocation of production hereunder for purposes other than for settlement of the royalty, overriding royalty, or payment out of production obligations of the respective working interest owners, shall be on the basis prescribed in the unit operating agreement whether in conformity with the basis of allocation herein set forth or otherwise. It is hereby agreed that production of unitized substances from a participating area shall be allocated as provided herein regardless of whether any wells are drilled on any particular part or tract of said participating area. If any gas produced from one participating area is used for repressuring or recycling purposes in another participating area, the first gas withdrawn from such lastmentioned participating area for sale during the life of this agreement shall be considered to be the gas so transferred until an amount equal to that transferred shall be so produced for sale and such gas shall be allocated to the participating area from which initially produced as such area was last defined at the time of such final production.

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Any party hereto owning or controlling the working interest in any unitized land having thereon a regular well location may with the approval of the Supervisor, the Commissioner or the State Commission, at such party's sole risk, costs, and expense, drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area, unless within 90 days of receipt of notice from said party of his intention to drill the well the Unit Operator elects and commences to drill such a well in like manner as other wells are drilled by the Unit Operator under this agreement.

If any well drilled as aforesaid by a working interest owner results in production such that the land upon which it is situated may properly be included in a participating area, such participating area shall be established or enlarged as provided in this agreement and the well shall thereafter be operated by the Unit Operator in accordance with the terms of this agreement and the unit operating agreement.

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If any well drilled as aforesaid by a working interest owner obtains production in quantities insufficient to justify the inclusion of the land upon which such well is situated in a participating area, such well may be operated and produced by the party drilling the same subject to the conservation requirements of this agreement. The royalties in amount or value of production from any such well shall be paid as specified in the underlying lease and agreements affected.

ROYALTY SETTLEMENT. The United States and the State of New 14. Mexico and all royalty owners who are entitled to take in kind a share of the substances now unitized hereunder shall hereafter be entitled to the right to take in kind its share of the unitized substances, and Unit Operator, or the working interest owner in case of the operation of a well by a working interest owner as herein provided for in special cases, shall make deliveries of such royalty share taken in kind in conformity with the applicable contracts, laws, and regulations. Settlement for royalty interest not taken in kind shall be made by working interest owners responsible therefor under existing contracts, laws and regulations, or by the Unit Operator 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.

If gas obtained from lands not subject to this agreement is introduced into any participating area hereunder, for use in repressuring, stimulation of production, or increasing ultimate recovery, in

conformity with a plan of operations approved by the Supervisor and the Commissioner, a like amount of gas, after settlement as herein provided for any gas transferred from any other participating area and with appropriate deduction for loss from any cause, may be withdrawn from the formation into which the gas is introduced, royalty free as to dry gas, but not as to any products which may be extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the approved plan of operations or as may otherwise be consented to by the Supervisor, the Commissioner and the State Commission as conforming to good petroleum engineering practice; and provided further, that such right of withdrawal shall terminate on the termination of this unit agreement.

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Royalty due the United States shall be computed as provided in the operating regulations and paid in value or delivered in kind as to all unitized substances on the basis of the amounts thereof allocated to unitized Federal land as provided herein at the rates specified in the respective Federal leases, or at such lower rate or rates as may be authorized by law or regulation; provided, that for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined in accordance with the operating regulations as though each participating area were a single consolidated lease.

Royalty due as to non-Federal lands under the respective leases shall be computed and paid on the basis of all unitized substances allocated to such lands hereunder.

15. RENTAL SETTLEMENT. Rental or minimum royalties due on leases committed hereto shall be paid by working interest owners responsible therefor under existing contracts, laws, and regulations, provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum royalty due under their leases. Rental or minimum royalty for lands of the United States subject to this agreement shall be paid at the rate specified in the respective leases from the United

States unless such rental or minimum royalty is waived, suspended, or reduced by law or by approval of the Secretary or his duly authorized representative. Rentals on State of New Mexico lands subject to this agreement shall be paid at the rates specified in the respective leases, or may be reduced and suspended upon the order of the Commissioner pursuant to applicable laws and regulations.

with respect to any lease on non-Federal land containing provisions which would terminate such lease unless drilling operations are commenced upon the land covered thereby within the time therein specified or rentals are paid for the privilege of deferring such drilling operations, the rentals required thereby shall, notwithstanding any other provision of this agreement, be deemed to accrue and become payable during the term thereof as extended by this agreement and until the required drilling operations are commenced upon the land covered thereby or until some portion of such land is included within a participating area.

- 16. CONSERVATION. Operations hereunder and production of unitized substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to State or Federal law or regulation.
- 17. DRAINAGE. The Unit Operator shall take such measures as the Supervisor and the Commissioner deem appropriate and adequate to prevent drainage of unitized substances from unitized land by wells on land not subject to this agreement.
- 18. 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 or gas on 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 Secretary as to Federal leases

and the Commissioner as to State of New Mexico leases shall and 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 Federal leases and State of New Mexico leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this agreement, and, without limiting the generality of the foregoing, all leases, subleases, and contracts are particularly modified in accordance with the following:

- (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 separately owned tract subject to this agreement, regardless of whether there is any development of any particular tract of the unit area.
- (b) Drilling and producing operations performed hereunder upon any tract of unitized lands will be accepted and deemed to be performed upon and for the benefit of each and every tract of unitized land, and no lease shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.
- (c) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Secretary or his duly authorized representative and on all unitized lands of the State of New Mexico pursuant to the consent of the Commissioner, or his duly recognized representative, shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every tract of unitized land. A suspension of drilling or producing operations limited to specified lands shall be applicable only to such lands.
- (d) Each lease, sublease or contract relating to the exploration, drilling, development or operation for oil or gas of lands other than those of the United States committed to this agreement, which, by its terms might expire prior to the

any such terms so provided therein so that it shall be continued in full force and effect for and during the term of this agreement.

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- (e) Any Federal lease for a fixed term of twenty (20) years or any renewal thereof or any part of such lease which is made subject to this agreement shall continue in force beyond the term provided therein until the termination hereof. Any other Federal lease committed hereto shall continue in force beyond the term so provided therein or by law as to the land committed so long as such lease remains subject hereto, provided that production is had in paying quantities under this unit agreement prior to the expiration date of the term of such lease, or in the event actual drilling operations are commenced on unitized land, in accordance with the provisions of this agreement, prior to the end of the primary term of such lease and are being diligently prosecuted at that time, such lease shall be extended for two years and so long thereafter as oil or gas is produced in paying quantities in accordance with the provisions of the Mineral Leasing Act Revision of 1960.
 - (f) Each sublease or contract relating to the operation and development of unitized substances from lands of the United States committed to this agreement, which by its terms would expire prior to the time at which the underlying lease, as extended by the immediately preceding paragraph, will expire, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of the underlying lease as such term is herein extended.

- (g) The segregation of any Federal lease committed to this agreement is governed by the following provision in the fourth paragraph of Sec. 17(j) of the Mineral Leasing Act, as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any [Federal] lease heretofore or hereafter committed to any such [unit] plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to the lands committed and the lands not committed as of the effective date of unitization: Provided, however, That any such lease as to the nonunitized portion shall continue in force and effect for the term thereof but for not less than two years from the date of such segregation and so long thereafter as oil or gas is produced in paying quantities."
- (h) Any lease, other than a Federal lease, having only a portion of its lands committed hereto shall be segregated as to the portion committed and the portion not committed, and the provisions of such lease shall apply separately to such segregated portions commencing as of the effective date hereof. In the event any such lease provides for a lump-sum rental payment, such payment shall be prorated between the portions so segregated in proportion to the acreage of the respective tracts.
- 19. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interest 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, transferree, or other successor in interest. No assignment or transfer of any working interest, royalty, or other interest subject hereto shall be binding upon Unit Operator until the first day of the calendar month after Unit Operator is furnished with the original, photostatic, or certified copy of the instrument of transfer.

- 20. EFFECTIVE DATE AND TERM. This agreement shall become effective upon approval by the Secretary or his duly authorized representative and shall terminate five (5) years from said effective date unless:
 - (a) such date of expiration is extended by the Director
 - (b) it is reasonably determined prior to the expiration of the fixed term or any extension thereof that the unitized land is incapable of production of unitized substances in paying quantities in the formations tested hereunder and after notice of intention to terminate the agreement on such ground is given by the Unit Operator to all parties in interest at their last known addresses, the agreement is terminated with the approval of the Supervisor, or
 - (c) a valuable discovery of unitized substances has been made or accepted on unitized land during said initial term or any extension thereof, in which event the agreement shall remain in effect for such term and so long as unitized substances can be produced in quantities sufficient to pay for the cost of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as unitized substances so discovered can be produced as aforesaid, or
 - (d) it is terminated as heretofore provided in this agreement.

This agreement may be terminated at any time by not less than 75 percentum,
on an acreage basis, of the working interest owners signatury hereto,
with the approval of the Supervisor and the Commissioner; notice of
any such approval to be given by the Unit Operator to all parties hereto.

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21. RATE OF PROSPECTING, DEVELOPMENT, AND PRODUCTION. The Director is hereby vested with authority to alter or modify from time to time in his discretion the quantity and rate of production under this agreement when such quantity and rate is not fixed pursuant to Federal or State law or does not conform to any state-wide voluntary conservation or allocation program, which is established, recognized, and generally adhered to by the majority of operators in such State, such authority being hereby limited to alteration or modification in the public interest, the purpose thereof and the public interest to be served thereby to be stated in the order of alteration or modification. Without regard to the foregoing, the Director is also hereby vested with authority to alter or modify from time to time in his discretion the rate of prospecting and development and the quantity and rate of production under this agreement when such alteration or modification is in the interest of attaining the conservation objectives stated in this agreement and is not in violation of any applicable Federal or State law; provided, further, no such alteration or modification shall be affective as to any land of the State of New Mexico as to the rate of prospecting and development in the absence of the specific written approval thereof by the Commissioner and as to lands of the State of New Mexico or privately owned lands subject to this agreement as to the quantity and rate of production in the absence of specific written approval thereof by the Commissioner.

Powers in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than 15 days from notice.

22. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for and on behalf of any and all interests affected hereby before the Department of the Interior and to appeal from orders issued under the regulations of said Department or to apply for relief from any of said regulations or in any proceedings relative to

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operations before the Department of the Interior or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his own expense to be heard in any such proceeding.

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- 23. NOTICES. All notices, demands or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if given in writing and personally delivered to the party or sent by postpaid registered or certified mail, addressed to such 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 party sending the notice, demand or statement.
- 24. NO WAIVER OF CERTAIN RIGHTS. Nothing in this agreement contained shall be construed as a waiver by any 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 wherein said unitized lands are located, or of the United States, 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.
- 25. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or produce unitized substances from any of the lands covered by this agreement shall be suspended while 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. No unit obligation which is suspended under this section shall become due less than thirty (30) days after it

has been determined that the suspension is no longer applicable. Determination of creditable "Unavoidable Delay" time shall be made by the unit operator subject to approval of the Supervisor and Commissioner.

- 26. NONDISCRIMINATION. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of section 202 (1) to (7) inclusive of Executive Order 11246 (30 F.R. 12319), which are hereby incorporated by reference in this agreement.
- land shall fail and the true owner cannot be induced to join in this unit agreement, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title as to any royalty, working interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to Federal and State land or leases, no payments of funds due the United States or the State of New Mexico should be withheld, but such funds shall be deposited as directed by the Supervisor and the Commissioner, respectively, 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 defect or failure of any title hereunder.

28. NON-JOINDER AND SUBSEQUENT JOINDER. If the owner of any substantial interest in a tract within the unit area fails or refuses to subscribe or consent to this agreement, the owner of the working interest in that tract may withdraw said tract from this agreement by written notice delivered to the Supervisor, the Commissioner and the Unit Operator prior to the approval of this agreement by the Supervisor and the Commissioner. Any oil or gas interests in lands within the unit area not committed hereto prior to submission of this agreement

for final approval may therafter be committed hereto by the owner or owners thereof subscribing or consenting to this agreement, and, if the interest is a working interest, by the owner of such interest also subscribing to the unit operating agreement. After operations are commenced hereunder, the right of subsequent joinder, as provided in this section, by a working interest owner is subject to such requirements or approvals, if any, pertaining to such joinder, as may be provided for in the unit operating agreement. After final approval hereof, joinder by a non-working interest owner must be consented to in writing by the working interest owner committed hereto and responsible for the payment of any benefits that may accrue hereunder in behalf of such non-working interest. A non-working interest may not be committed to this unit agreement unless the corresponding working interest is committed hereto. Joinder to the unit agreement by a working-interest owner, at any time, must be accompanied by appropriate joinder to the unit operating agreement, if more than one committed working-interest owner is involved, in order for the interest to be regarded as committed to this unit agreement. Except as may otherwise herein be provided, subsequent joinders to this agreement shall be effective as of the first day of the month following the filing with the Supervisor and the Commissioner of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this agreement unless objection to such joinder is duly made within 60 days by the Supervisor or the Commissioner.

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29. COUNTERPARTS. This agreement may be executed in any number of counterparts no one of which needs to be executed by all parties or may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all 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.

30. SURRENDER. Nothing in this agreement shall prohibit the exercise by any working interest owner of the right to surrender vested in such party by any lease, sublease, or operating agreement as to all or any part of the lands covered thereby, provided that each party who will or might acquire such working interest by such surrender or by forfeiture as hereafter set forth, is bound by the terms of this agreement.

If as a result of any such surrender the working interest rights as to such lands become vested in any party other than the fee owner of the unitized substances, said party may forfeit such rights and further benefits from operation hereunder as to said land to the party next in the chain of title who shall be and become the owner of such working interest.

If as the result of any such surrender or forfeiture working interest rights become vested in the fee owner of the unitized substances, such owner may:

- (1) Accept those working interest rights subject to this agreement and the unit operating agreement; or
- (2) Lease the portion of such land as is included in a participating area established hereunder subject to this agreement and the unit operating agreement.
- (3) Provide for the independent operation of any part of such land that are not then included within a participating area established hereunder.

the working interest rights subject to this agreement and the unit operating agreement or lease such lands as above provided within six (6) months after the surrendered or forfeited working interest rights become vested in the fee owner, the benefits and obligations of operations accruing to such lands under this agreement and the unit operating agreement shall be shared by the remaining owners of unitized working interests in accordance with their respective working interest ownerships,

and such owners of working interests shall compensate the fee owner of unitized substances in such lands by paying sums equal to the rentals, minimum royalties, and royalties applicable to such lands under the lease in effect when the lands were unitized.

An appropriate accounting and settlement shall be made for all benefits accruing to or payments and expenditures made or incurred on behalf of such surrendered or forfeited working interest subsequent to the date of surrender or forfeiture, and payment of any monies found to be owing by such an accounting shall be made as between the parties within thirty (30) days. In the event no unit operating agreement is in existence and a mutually acceptable agreement between the proper parties thereto cannot be consummated, the Supervisor and Commissioner may prescribe such reasonable and equitable agreement as he deems warranted under the circumstances.

The exercise of any right vested in a working interest owner to reassign such working interest to the party from whom obtained shall be subject to the same conditions as set forth in this section in regard to the exercise of a right to surrender.

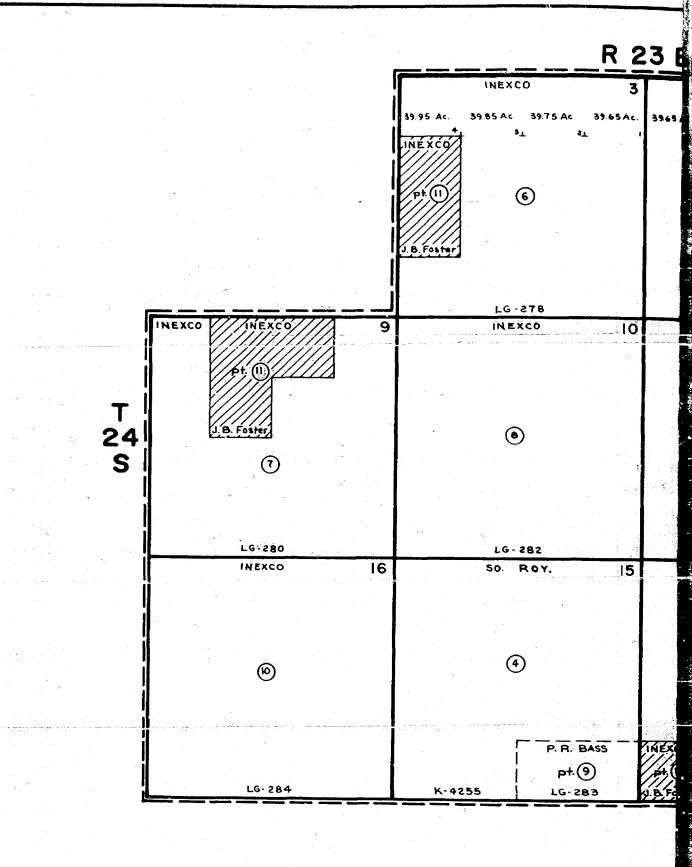
31. TAXES. The working interest owners shall render and pay for their account and the account of the royalty owners all valid taxes on or measured by the unitized substances in and under or that may be produced, gathered and sold from the land subject to this contract after the effective date of this agreement, or upon the proceeds or net proceeds derived therefrom. The working interest owners on each tract shall and 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 United States or the State of New Mexico or to any lessor who has a contract with his lessee which requires the lessee to pay such taxes.

	AE, HO LAWINEDOUTE, 30	is expressiy agreed that the relation
2	of the parties hereto is that	of independent contractor; and nothing
3	in this agreement contained, e	expressed or implied, nor any operations
4	conducted hereunder, shall cre	ate or be deemed to have created a partner
5	ship or association between th	e parties hereto or any of them.
6	33. SURFACE MANAGEMENT S	TIPULATION. Nothing in this agreement
7	shall modify any special Feder	al-lease stipulations relating to surface
8	management, attached to and ma	de a part of 01% and Gas Leases covering
9	lands within the Unit Area.	
10	34. RECLAMATION LANDS.	Nothing in this agreement shall modify
11	the special, Federal-lease sti	pulations applicable to lands under the
12	jurisdiction of the Bureau of	Reclamation.
13	IN WITNESS WHEREOF,	the parties hereto have caused this
14	agreement to be executed as of	the date first above written and have
15	set opposite their respective	names the date of execution.
16		UNIT OPERATOR
17		Amoco Production Company
\$	ر دروی انسست در در در کستان میران کی دستان سختها در میشاند. در دروی انسست در در در در کستان میران کی دستان سختها در میشانستان با	XIII
18 19		Attorney-in-Fact
20		WORKING INTEREST OWNERS
21		
22 23 24	Marathon Oil Company P. O. Box 552 Midland, Texas 79701	Inexco 011 Company 1801 Americana Building Houston, Texas 77002
25 26 27	Southland Royalty Company 1405 Wilco Building	Perry R. Bass P. O. Box 171 Midland, Texas 79701

8 9	Notary Public in and for Harris County, Texas
7	61.75 Trene Dackan
6	My Commission Expires:
5	as Attorney-in-Fact on behalf of AMOCO PRODUCTION COMPANY.
4	day of March, 1974, by C. N. MENNINGER
3	The foregoing instrument was acknowledged before me this $\frac{\mathcal{U}}{2}$
2	COUNTY OF HARRIS
1	STATE OF TEXAS

IRENE HALDAS

Notary Public In and for Harris County, Texas

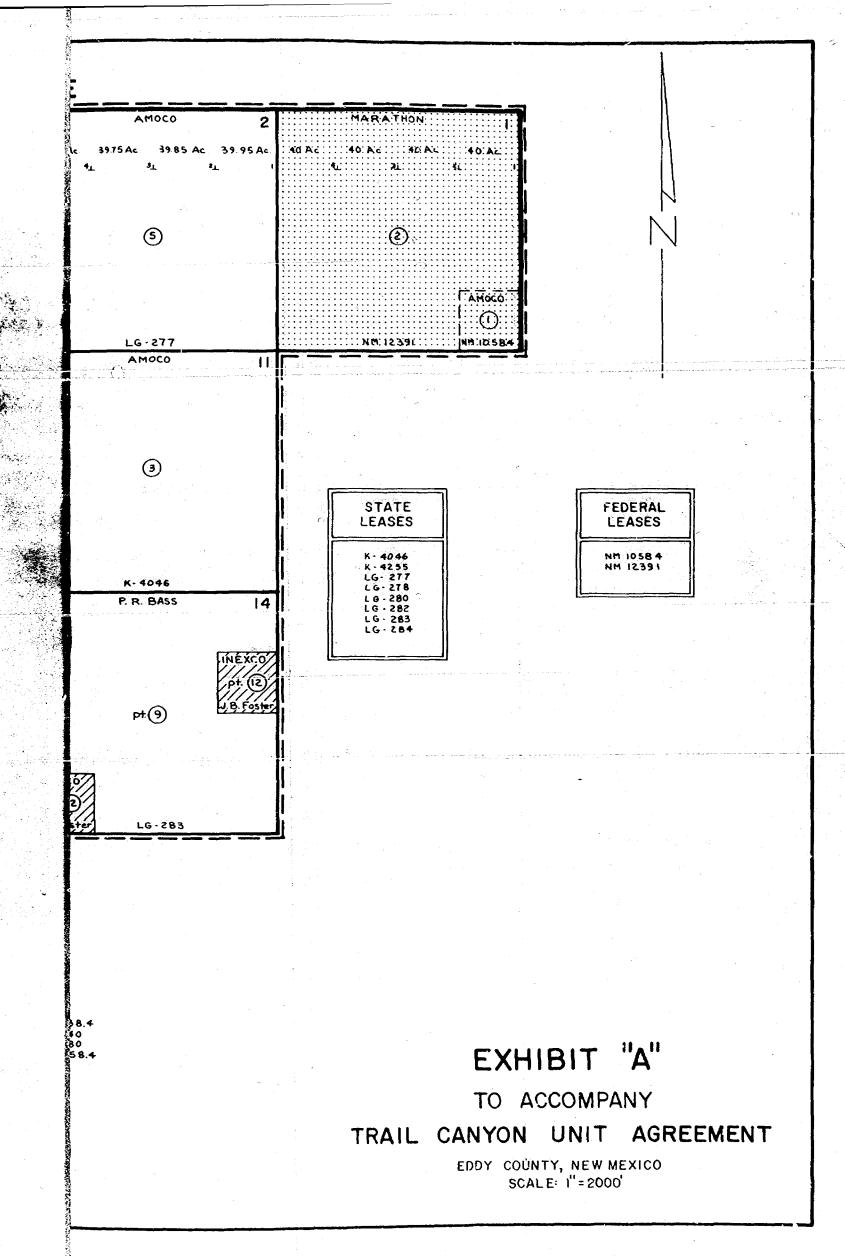


LEGEND

1.0	STATE LAND
	FEDERAL LAND
	FEE LAND
9	TRACT NUMBER
	UNIT BOUNDARY

NOTE:

Total	State Acreage	41
Total	Federal Acreage_	
Total	Fee Acresge	
Total	Acres in Unit	5



TRAIL CANYON UNIT AGREEMENT EDDY COUNTY, NEW MEXICO

6	U I	4.	ω			70		TRACT
Sec. 3: Lots 1,2,3, 4,5/2 NE/4, SE/4 NW/4, NE/4 SW/4,	Sec. 2: Lots 1,2,3, 4, S/2 N/2, S/2	Sec. 15: N/2, N/2 S/2, S/2 SW/4	T24S-R23E Sec. 11: All	State Acreage	2 Federal Tracts:	Sec. 1: Lots 1,2,3, 4, S/2 N/2, N/2 SE/4, SW/4 SE/4, SW/4	Federal Acreage T24S-R23E Sec. 1: SE/4 SE/4	DESCRIPTION OF LAND
559.2	639.2	560	640		640 acres	600	4 0	NUMBER OF ACRES
LG-278-1 5-1-82	LG-277 6-1-82	K-4255 7-21-74	K-4046 4-21-74			NM 12391 9-30-80	NM 10584 10-31-79	SERIAL NO. AND EXPIRATION DATE OF LEASE
State 12.5%	State 12.5%	State 12.5%	State 12.5%			USA-A11 12.5%	USA-A11 12.5%	BASIC ROYALTY AND OWNERSHIP PERCENTAGE
Inexco 011 Co.	Amoco Production Company	Southland Royalty Company	Amoco Production Company	2		Marathon	Amoco Production Company	LESSEE OF RECORD
None	None	None	None			Charles O. Johnson and wife Evelyn C. Johnson - 5%	Howell Spear and Ellie Spear - 4%	OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE
Inexco 0il Co 100%	Amoco Production Co 100%	Southland Royalty Co100%	Amoco Production Co 100%			Marathon Oil Co 100%	Amoco Production Co 100%	February 1, 1974 WURKING INTEREST AND OWNERSHIP PERCENTAGE

=		10	.	©	7	TRACT NO.	
Fee Acreage T24S-R23E NMPM Sec. 3: SW/4 NW/4, NW/4 SW/4 9: E/2 NW/4, NW/4 NE/4	8 State Tracts: 48	Sec. 15: S/2 SE/4 Sec. 16: All	Sec. 14: NW/4, N/2 NE/4, SW/4 NB/4, SE/4 N/2 SW/4, SE/4 SW/4	Sec. 10: All	T24S-R23E NMPM Sec. 9: W/2 NW/4, E/2 NE/4, SW/4 NE/4, S/2	DESCRIPTION OF	
200	4838.4 acres	640	640	640	520	NUMBER OF ACRES	
		LG-284-1 5-1-82	LG-283 5-1-82	L6-282-1 6-1-82	LG-280-1 6-1-82	SERIAL NO. AND EXPIRATION DATE OF LEASE	
Madeline Foster, Indiand Madeline Foster a Foster, Co-executors J. B. Foster - 12.5%		State 12.5%	State 12.5%	State 12.5%	State 12.5%	BASIC ROYALTY AND OWNERSHIP PERCENTAGE	
Individually oster and Sherwood cutors of the Est. of 2.5%		Inexco 011 Co.	P. R. Bass	Inexco 011 Co.	Inexco 011 Co.	LESSEE OF RECORD	
Z One		None	None	None	None	OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE	
Inexco 0il Co 100%		Inexco Oil Co 100%	P. R. Bass - 100%	Inexco Oil Co 100%	Inexco Oil Co 100%	WORKING INTEREST AND OWNERSHIP PERCENTAGE	

JDA: db 2/064-798		12	TRACT
7 98	2 Fee Tracts:	Sec. 14: SE/4 NE/4, SW/4 SW/4	DESCRIPTION OF LAND
	280 acres Federal State Fee	4. 80	NUMBER OF ACRES
	640 acres 4838.4 acres	10-9-77	SERIAL NO. AND EXPIRATION DATE OF LEASE
	= 11.12% = 84.02 = 4.86%	Madeline Foster Madeline Foster Co-executors of Foster 12.5%	BASIC ROYALTY AND OWNERSHIP PERCENTAGE
		. Individually and and Sherwood Foster, the Est. of J. B.	LESSEE OF RECORD
		None	OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE
		Inexco 011 Co 100%	WORKING INTEREST AND OWNERSHIP PERCENTAGE

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 5181 Order No. R-4748

APPLICATION OF AMOCO PRODUCTION COMPANY FOR APPROVAL OF THE TRAIL CANYON UNIT AGREEMENT, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on March 13, 1974, at Santa Fe, New Maxico, before Examiner Richard L. Stamets.

NOW, on this 15th day of March, 1974, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Amoco Production Company, seeks approval of the Trail Canyon Unit Agreement covering 5,758.4 acres, more or less, of State, Federal, and Fee lands described as follows:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 24 SOUTH, RANGE 23 EAST, NMPM
Sections 1 through 3: All
Sections 9 through 11: All
Sections 14 through 16: All

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

- (1) That the Trail Canyon Unit Agreement is hereby approved.
- (2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however

-2-CASE NO. 5181 Order No. R-4748

that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.

- (3) That the unit operator shall file with the Commission an executed original or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.
- (4) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate ipso facto upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.
- (5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

I R. TRUJILIO, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, JR., Member & Secretary

SEAL

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

FEDERAL CENTER, DENVER, COLORADO 80225

IN REPLY REFER TO:

FEB 1 4 1974

5/81-

Amoco Production Company P.O. Box 3092 Houston, Texas 77001

Gent lesen:

Your application dated January 10, 1974, filed with the 0:1 and Ges Supervisor, Rossell, New Mexico on January 14, 1974, requests the designation of the Trail Genyon unit area embracing 5,758.60 acres, more or less. Eddy County, New Mexico, as logically subject to employation and development under the unitimation provisions of the Mineral Lessing Act, as animated. The unit area involves \$40.00 acres (11.11 percent) of Fadoral land, 4,838.60 acres (86.02 percent of State land, and 280.00 acres (4.87 percent) of fee land.

Pursuant to the unit plan regulations of Decamber 22, 1950, 30 CFR 226.3, the land requested, as described on your plat marked "Exhibit A, Trail Campon unit area, Eddy County, New Hexico," is hereby designated as a logical unit area.

The unit agreement susmitted for the eres designated should provide for a well to be drilled to test all formations of Posseylvanian age or to a depth of 10,800 feet. Use of the Form of Agreement for Unproved Areas modified as proposed in your application will be acceptable.

In the absence of any other type of land requiring special provisions or any objection not now apparent, a duly executed agreement identical to said form, modified as indicated above, will be approved if submitted in approvable status within a reasonable time. However, the right is reserved to dany approval of any executed agreement which, in our opinion, does not have full commitment of sufficient land to afford effective control of operations in the unit area.

When the agreement is transmitted to the Oil and des Supervisor for approval, include the latest status of all screage. The format of the sample exhibits attached to the 1968 reprint of the aforementioned form of agreement should be followed closely in the preparation of Exhibits A and B.

Sincerely yours,

George W. Worn

Conservation Manager, Central Region For the Director

CC: Com. Pub. Lands, Santa Fe NMOCC, Santa Fe Roswell (2) Cons. Div. Reading File



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

March 18, 1974

L R. TRUJILLO CHAIRMAN

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

STATE GEOLOGIST A. L. PORTER, JR. SECRETARY – DIRECTOR

Mr. Guy	Duell	·	
Amoco Pr	_	Comp	eny
Post Off	ice Box	3092	
Houston,	Texas 7	7001	

Re: CASE NO. 5180 and 5181

ORDER NO. R-4747 and R-4748

Applicant:

Amoco Production Co.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours

A. L. PORTER, Jr. Secretary-Director

Copy of order also sent to:

Hobbs OCC
Artesia OCC
Aztec OCC

Other
Unit Division - State Land Office

Unit Name TRAIL CANYON UNIT (EXPLORATION)
Operator Amoco Production Company

County Eddy County

DATE APPROVED 4-9-74 OCC CASE NO. 5181 OCC ORDER NO. R-4748 3-15-74 (April 15, 1974)5,758.4 EFFECTIVE TOTAL ACREAGE 4,838.4 STATE 640.00 FEDERAL MANUTAN-FEE 280.00 SEGREGATION CLAUSE Yes 5 yrs. TERM

TOWNSHIP 24 SOUTH, RANGE 23 EAST, NMPM
Sections 1 through 3: All
Sections 9 through 11: All
Sections 14 through 16: All

Unit Name TRAIL CANYON UNIT (EXPLORATORY)
Operator Amoro Production Company
County Eddy

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LG-284-1	LG-283	LC-282-1	LG-280-1	LG-278-1	16-277	K-4255	K-4046	LEASE NO.
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24S 23E	23E	23E	23E	23E	23E	23E	23E	RGE.
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Inexco OilCompany	P. R. Bass	Inexco Oil Company	Inexco Oil Company	Inexco Oil Company	Amoco Production Co.	Southland Royalty Co.	Amoco Production Co.	LESSEE

Amoco Production Company

500 Jefferson Building P.O. Box 3092 Houston, Texas 77001

CONJERVATION COMM



J. C. Burton Division Engineer

Pebruary 7, 1974

File: DRC-986.51NM-680

Re: Trail Canyon Unit

Mr. A. L. Porter, Jr. (3) New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 97501

Dear Sir:

Please docket a hearing at the earliest possible date to consider Amoco Production Company's application for approval of the Trail Canyon Unit. The Unit area comprises 5758 acres, more or less, of State, Federal and Fee Lands all in 7245, R23E, Eddy County, New Mexico. Copies of the Unit Agreement will be furnished prior to the Hearing.

Attached is a plat showing the proposed Unit and the adjacent area.

Very truly yours,

Attachment

GTB:as

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CERTIFICATION - DETERMINATION

Pursuant to the authority vested in the Secretary of Interior, under the act approved February 25, 1920, 41 Stat. 437, as amended, 30 U. S. C. secs. 181, et seq., and delegated to the Oil and Gas Supervisor of the Geological Survey (33 F.R. 5812), I do hereby:

- A. Approve the attached agreement for the development and operation of the Trail Canyon Unit Area, State of New Mexico.
- B. Certify and determine that the unit plan of development and operation contemplated in the attached agreement is necessary and advisable in the public interest for the purpose of more properly conserving the natural resources.
- C. Certify and determine that the drilling, producing, rental, minimum royalty, and royalty requirements of all Federal leases committed to said agreement are hereby established, altered, changed, or revoked to conform with the terms and conditions of this agreement.

Dated:				•			
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BEFORE EXAMINER STAMETS OIL CONSERVATION COMMISSION EXHIBIT NO. 2]
CASE NO. 5181	-
Submitted by Amoco	
Hearing Date 3~/3~74	•

UNIT AGREEMENT FOR THE DEVELOPMENT AND OPERATION OF THE TRAIL CANYON UNIT AREA COUNTY OF EDDY, STATE OF NEW MEXICO

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Exhibit "B" (Description of interests subject to agreement)

UNIT AGREEMENT

FOR THE DEVELOPMENT AND OPERATION

OF THE

TRAIL CANYON UNIT AREA

COUNTY OF EDDY
STATE OF NEW MEXICO

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THIS AGREEMENT, entered into as of the 1st day of February,

1974, by and between the parties subscribing, ratifying, or consenting

hereto, and herein referred to as the "parties hereto,"

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WITNESSETH:

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 Mineral Leasing Act of February 25, 1920, 41 Stat.

437, as amended, 30 U.S.C. Secs. 181 et seq., authorizes Federal lessees and their representatives to unite with each other, or jointly or separately with others, in collectively adopting and operating a cooperative or unit plan of development or operation of any oil or gas pool, field, or like area, or any part thereof for the purpose of more properly conserving the natural resources thereof whenever determined and certified by the Secretary of the Interior to be necessary or advisable in the public interest; and

WHEREAS, the Commissioner of Public Lands of the State of
New Mexico is authorized by an Act of the Legislature (Sec. 1, Chap. 88,
Laws 1943 as amended by Sec. 1 of Chapter 162, Laws of 1951), (Chap. 7,
Art. 11, Sec. 39, N.M. Statutes 1953 Annot.), 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, Chap. 7, Art. 11, Sec. 41 N.M. Statutes 1953 Annotated) to amend with the approval of lessee, evidenced by the lessee's execution

of such agreement or cherwise, 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 011 Conservation Commission of the State of New Mexico is authorized by an Act of the Legislature (Chapter 72, Laws of 1935, as amended by Chapter 193, Laws of 1937; Chapter 166, Laws of 1941; and Chapter 168, Laws of 1949) to approve this agreement and the conservation provisions hereof; and

WHEREAS the parties hereto hold sufficient interests in the Trail Canyon Unit Area covering the land hereinafter described to give reasonably effective control of operations therein; and

whereas, it is the purpose of the parties hereto to conserve natural resources, prevent waste, and secure other benefits obtainable through development and operation of the area 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 below-defined unit area, and agree severally among themselves as follows:

- 1. ENABLING ACT AND REGULATIONS. The Mineral Leasing Act of February 25, 1920, as amended, supra, and all valid pertinent regulations, including operating and unit plan regulations, heretofore issued thereunder or valid, pertinent, and reasonable regulations hereafter issued thereunder are accepted and made a part of this agreement as to Federal lands, provided such regulations are not inconsistent with the terms of this agreement; and as to non-Federal lands, the oil and gas operating regulations in effect as of the effective date hereof governing drilling and producing operations, not inconsistent with the terms hereof or the laws of the State in which the non-Federal land is located, are hereby accepted and made a part of this agreement.
- 2. UNIT AREA. The area specified on the map attached hereto marked Exhibit "A" is hereby designated and recognized as constituting the unit area, containing 5758.4 acres, more or less.

Exhibit "A" shows, in addition to the boundary of the unit area, the boundaries and identity of tracts and leases in said area

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to the extent known to the Unit Operator. Exhibit "B" attached hereto is a schedule showing to the extent known to the Unit Operator the acreage, percentage, and kind of ownership of oil and gas interests in all land in the unit area. However, nothing herein or in said schedule or map shall be construed as a representation by any party hereto as to the ownership of any interest other than such interest or interests as are shown in said map or schedule as owned by such party. Exhibits "A" and "B" shall be revised by the Unit Operator whenever changes in the unit area render such revision necessary, or when requested by the Oil and Gas Supervisor, hereinafter referred to as "Supervisor" and not less than five copies of the revised exhibits shall be filed with the Supervisor, and two copies with the Commissioner of Public Lands of the State of New Mexico, hereinafter referred to as the "Commissioner", and one copy with the New Mexico Oil Conservation Commission, hereinafter referred to as "State Commission".

The above-described unit area shall when practicable be expanded to include therein any additional lands or shall be contracted to exclude lands whenever such expansion or contraction is deemed to be necessary or advisable to conform with the purposes of this agreement. Such expansion or contraction shall be effected in the following manner:

- (a) Unit Operator, on its own motion or on demand of the Director of the Geological Survey, hereinafter referred to as "Director," or on demand of the Commissioner after preliminary concurrence by the Director, shall prepare a notice of proposed expansion or contraction 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 Supervisor and the Commissioner 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

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with the Supervisor and the Commissioner evidence of mailing of the notice of expansion or contraction 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 or contraction and with appropriate joinders.

- (d) After due consideration of all pertinent information, the expansion or contraction shall, upon approval by the Supervisor and the Commissioner, become effective as of the date prescribed in the notice thereof.
- (e) All legal subdivisions of lands (i.e., 40 acres by Government survey or its nearest lot or tract equivalent; in instances of irregular surveys unusually large lots or tracts shall be considered in multiples of 40 acres or the nearest aliquot equivalent thereof), no parts of which are entitled to be in a participating area on or before the fifth anniversary of the effective date of the first initial participating area established under this unit agreement, shall be eliminated automatically from this agreement, effective as of said fifth anniversary, and such lands shall no longer be a part of the unit area and shall no longer be subject to this agreement, unless diligent drilling operations are in progress on unitized lands not entitled to participation on said fifth anniversary, in which event all such lands shall remain subject hereto for so long as such drilling operations are continued diligently, with not more than 90 days' time elapsing between the completion of one such well and the commencement of the next such well. All legal subdivisions of lands not entitled to be in a participating area within 10 years after the effective date of the first initial participating area approved under this agreement shall be automatically eliminated from this agreement as of said tenth anniversary. All lands proved productive by diligent drilling operations after the aforesaid 5-year period shall become participating in

the same manner as during said 5-year period. However, when such diligent drilling operations cease, all nonparticipating lands shall be automatically eliminated effective as of the 91st day thereafter. The unit operator shall within 90 days after the effective date of any elimination hereunder, describe the area so eliminated to the satisfaction of the Supervisor and Commissioner and promptly notify all parties in interest.

If conditions warrant extension of the 10-year period specified in this subsection 2(e), a single extension of not to exceed 2 years may be accomplished by consent of the owners of 90% of the working interests in the current nonparticipating unitized lands and the owners of 60% of the basic royalty interests (exclusive of the basic royalty interests of the United States) in nonparticipating unitized lands with approval of the Director and Commissioner, provided such extension application is submitted to the Director and the Commissioner not later than 60 days prior to the expiration of said 10-year period.

Any expansion of the unit area pursuant to this section which embraces lands theretofore eliminated pursuant to this subsection 2(e) shall not be considered automatic commitment or recommitment of such lands.

- 3. UNITIZED LAND AND UNITIZED SUBSTANCES. All land committed to this agreement shall constitute land referred to herein as "unitized land" or "land subject to this agreement." All oil and gas in any and all formations of the unitized land are unitized under the terms of this agreement and herein are called "unitized substances."
- 4. UNIT OPERATOR. Amoco Production Company is hereby designated as Unit Operator and by signature hereto as Unit Operator agrees and consents to accept the duties and obligations of Unit Operator for the discovery, 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 an interest is owned by it.

have the right to resign at any time prior to the establishment of a participating area or areas hereunder, 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 6 months after notice of intention to resign has been served by Unit Operator on all working interest owners, the Supervisor and Commissioner, and until all wells then drilled hereunder are placed in a satisfactory condition for suspension or abandonment whichever is required by the Supervisor or Commissioner, 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.

Unit Operator shall have the right to resign in like manner and subject to like limitations as above provided at any time a participating area established hereunder is in existence, but, in all 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 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 of Unit Operator shall not release Unit Operator from any liability for any default by it hereunder occurring prior to the effective date of its resignation.

The Unit Operator may, upon default or failure in the performance of its duties or obligations hereunder, be subject to removal by the same percentage vote of the owners of working interests as herein provided for the selection of a new Unit Operator. Such removal shall be effective upon notice thereof to the Supervisor and the Commissioner.

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 interest in unitized substances, but upon the resignation or removal of Unit Operator becoming effective, such Unit Operator shall deliver possession of all wells, equipment, materials, and appurtenances used in conducting the unit operations to the new duly qualified successor Unit Operator or to the common agent, 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.

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tender his or its resignation as Unit Operator or shall be removed as hereinabove provided, or a change of Unit Operator is negotiated by working interest owners, the owners of the working interests in the participating area or areas according to their respective acreage interests in such participating area or areas, or, until a participating area shall have been established, the owners of the working interest according to their respective acreage interests in all unitized land, shall by majority vote select a successor Unit Operator: Provided,

That, if a majority but less than 75 percent of the working interests qualified to vote are owned by one party to this agreement, a concurring vote of one or more additional working interest owners shall be required to select a new operator. 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 Supervisor and Commissioner.

If no successor Unit Operator is selected and qualified as herein provided, the Director at his election may declare this unit agreement terminated.

1	7. ACCOUNTING PROVISIONS AND UNIT OPERATING AGREEMENT. If the
2	Unit Operator is not the sole owner of working interests, costs and
3	expenses incurred by Unit Operator in conducting unit operations here-
4	under shall be paid and apportioned among and borne by the owners of
5	working interests, all in accordance with the agreement or agreements
6	entered into by and between the Unit Operator and the owners of working
7	interests, whether one or more, separately or collectively. Any agreement
8	or agreements entered into between the working interest owners and
9	the Unit Operator as provided in this section, whether one or more,
10	are herein referred to as the "unit operating agreement." Such unit
11	operating agreement shall also provide the manner in which the working
12	interest owners shall be entitled to receive their respective proportionate
13	and allocated share of the benefits accruing hereto in conformity with
14	their underlying operating agreements, leases, or other independent
15	contracts, and such other rights and obligations as between Unit Operator
16	and the working interest owners as may be agreed upon by Unit Operator
17	and the working interest owners; however, no such unit operating agreement
18	shall be deemed either to modify any of the terms and conditions of
19	this unit agreement or to relieve the Unit Operator of any right or
20	obligation established under this unit agreement, and in case of any
21	inconsistency or conflict between this unit agreement and the unit
22	operating agreement, this unit agreement shall govern. Three true
23	copies of any unit operating agreement executed pursuant to this section
24	should be filed with the Supervisor and two true copies with the Commissioner,

prior to approval of this unit agreement.

8. 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 which are necessary or convenient for prospecting for, producing, storing, allocating, and distributing the unitized substances are hereby delegated to and shall

be exercised by the Unit Operator as herein provided. 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 or to any lease or operating 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.

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9. DRILLING TO DISCOVERY. Within 6 months after the effective date hereof, the Unit Operator shall begin to drill an adequate test well at a location approved by the Supervisor, if on Federal land and if upon State or patented lands, such location shall be approved by the Commissioner or State Commission unless on such effective date a well is being drilled conformably with the terms hereof, and thereafter continue such drilling diligently until all of the formations of Pennsylvanian Age have been tested or until at a lessor depth unitized substances shall be discovered which can be produced in paying quantities (to wit: quantities sufficient to repay the costs of drilling, completing, and producing operations, with a reasonable profit) or the Unit Operator shall at any time establish to the satisfaction of the Supervisor, if on Federal land or to the Commissioner and the State Commission as to wells on State or patented lands, that further drilling of said well would be unwarranted or impracticable, provided, however, that Unit Operator shall not in any event be required to drill said well to a depth in excess of 10,800 feet. Until the discovery of a deposit of unitized substances capable of being produced in paying quantities, the Unit Operator shall continue drilling diligently one well at a time, allowing not more than 6 months between the completion of one well and the beginning of the next well, until a well capable of producing unitized substances in paying quantities is completed to the satisfaction of said Supervisor, if it be on Federal land and if upon State or patented lands to the satisfaction of the Commissioner or the State Commission, or until it is reasonably proved that the unitized land is incapable of producing unitized substances in paying quantities in the formations drilled hereunder. Nothing in this

section shall be deemed to limit the right of the Unit Operator to resign as provided in Section 5, hereof, or as requiring Unit Operator to commence or continue any drilling during the period pending such resignation becoming effective in order to comply with the requirements of this section. The Supervisor and the Commissioner may modify the drilling requirements of this section by granting reasonable extensions of time when, in his opinion, such action is warranted.

Upon failure to commence any well provided for in this section within the time allowed, including any extension of time granted by the Supervisor and the Commissioner, this agreement will automatically terminate; upon failure to continue drilling diligently any well commenced hereunder, the Supervisor and Commissioner may, after 15-days' notice to the Unit Operator, declare this unit agreement terminated.

10. PLAN OF FURTHER DEVELOPMENT AND OPERATION. Within 6 months after completion of a well capable of producing unitized substances in paying quantities, the Unit Operator shall submit for the approval of the Supervisor, the Commissioner and the State Commission an acceptable plan of development and operation for the unitized land which, when approved by the Supervisor, the Commissioner and the State Commission shall constitute the further drilling and operating obligations of the Unit Operator under this agreement for the period specified therein. Thereafter, from time to time before the expiration of any existing plan, the Unit Operator shall submit for the approval of the Supervisor, the Commissioner and the State Commission a plan for an additional specified period for the development and operation of the unitized land.

Any plan submitted pursuant to this section shall provide for the exploration of the unitized area and for the diligent drilling necessary for determination of the area or areas thereof capable of producing unitized substances in paying quantities in each and every productive formation and shall be as complete and adequate as the Supervisor, the Commissioner and the State Commission may determine to be necessary for timely development and proper conservation of the oil and gas resources of the unitized area and shall:

(a) specify the number and locations of any wells to be drilled and the proposed order and time for such drilling; and

(b) to the extent practicable specify the operating practices regarded as necessary and advisable for proper conservation of natural resources.

Separate plans may be submitted for separate productive zones, subject to the approval of the Supervisor, the Commissioner and the State Commission.

Plans shall be modified or supplemented when necessary to meet changed conditions or to protect the interests of all parties to this agreement. Reasonable diligence shall be exercised in complying with the obligations of the approved plan of development. The supervisor and the Commissioner are authorized to grant a reasonable extension of the 6-month period herein prescribed for submission of an initial plan of development where such action is justified because of unusual conditions or circumstances. After completion hereunder of a well capable of producing any unitized substance in paying quantities, no further wells, except such as may be necessary to afford protection against operations not under this agreement and such as may be specifically approved by the Supervisor and the Commissioner, shall be drilled except in accordance with a plan of development approved as herein provided.

capable of producing unitized substances in paying quantities or as soon thereafter as required by the Supervisor and the Commissioner, the Unit Operator shall submit for approval by the Supervisor, the Commissioner and the State Commission a schedule, based on subdivisions of the public-land survey or aliquot parts thereof, of all land then regarded as reasonably proved to be productive in paying quantities; all lands in said schedule on approval of the Supervisor, the Commissioner and the State Commission to constitute a participating area, effective as of the date of completion of such well or the effective date of this unit agreement, whichever is later. The acreages of both Federal and non-Federal lands shall be based upon appropriate computations from the courses and distances shown on the last approved public-land

survey as of the effective date of each initial participating area. Said schedule shall also set forth the percentage of unitized substances to be allocated as herein provided to each tract in the participating area so established, and shall govern the allocation of production commencing with the effective date of the participating area. A separate participating area shall be established for each separate pool or deposit of unitized substances or for any group thereof which is produced as a single pool or zone, and any two/or more participating areas so established may be combined into one, on approval of the Supervisor, the Commissioner and the State Commission. When production from two or more participating areas, so established, is subsequently found to be from a common pool or deposit said participating areas shall be combined into one effective as of such appropriate date as may be approved or prescribed by the Supervisor, the Commissioner and the State Commission. The participating area or areas so established shall be revised from time to time, subject to like approval, to include additional land then regarded as reasonably proved to be productive in paying quantities or necessary for unit operations, or to exclude land then regarded as reasonably proved not to be productive in paying quantities and the schedule of allocation percentages shall be revised accordingly. The effective date of any revision shall be the first of the month in which is obtained the knowledge or information on which such revision is predicated, provided, however, that a more appropriate effective date may be used if justified by the Unit Operator and approved by the Supervisor, the Commissioner and the State Commission. No land shall be excluded from a participating area on account of depletion of the unitized substances, except that any participating area established under the provisions of this unit agreement shall terminate automatically whenever all completions in the formation on which the participating area is based are abandoned.

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It is the intent of this section that a participating area shall represent the area known or reasonably estimated to be productive in paying quantities; but, regardless of any revision of the participating area, nothing herein contained shall be construed as requiring any retroactive adjustment for production obtained prior to the effective date of the revision of the participating area.

In the absence of agreement at any time between the Unit
Operator and the Supervisor, the Commissioner and the State Commission
as to the proper definition or redefinition of a participating area,
or until a participating area has, or areas have, been established
as provided herein, the portion of all payments affected thereby shall
be impounded in a manner mutually acceptable to the owners of working
interests and the Supervisor and Commissioner. Royalties due the United
States and the State of New Mexico shall be determined by the Supervisor
and Commissioner and the amount thereof shall be deposited, as directed
by the Supervisor and the Commissioner, respectively, to be held as
unearned money until a participating area is finally approved and then
applied as earned or returned in accordance with a determination of
the sum due as Federal and State royalty on the basis of such approved
participating area.

Whenever it is determined, subject to the approval of the Supervisor as to wells on Federal land, the Commissioner as to wells on State lands, and the State Commission as to wells on patented lands, that a well drilled under this agreement is not capable of production in paying quantities and inclusion of the land on which it is situated in a participating area is unwarranted, production from such well shall, for the purposes of settlement among all parties other than working interest owners, be allocated to the land on which the well is located unless such land is already within the participating area established for the pool or deposit from which such production is obtained. Settlement for working interest benefits from such a well shall be made as provided in the unit operating agreement.

12. ALLOCATION OF PRODUCTION. All unitized substances produced from each participating area established under this agreement, except any part thereof used in conformity with good operating practices within the unitized area for drilling, operating, camp and other production or development purposes, for repressuring or recycling in accordance with a plan of development approved by the Supervisor, the Commissioner and the State Commission, or unavoidably lost, shall be deemed to be produced equally on an acreage basis from the several tracts of unitized land of the participating area established for such production and, for the

purpose of determining any benefits accruing under this agreement, each such tract of unitized land shall have allocated to it such percentage of said production as the number of acres of such tract included in said participating area bears to the total acres of unitized land in said participating area, except that allocation of production hereunder for purposes other than for settlement of the royalty, overriding royalty, or payment out of production obligations of the respective working interest owners, shall be on the basis prescribed in the unit operating agreement whether in conformity with the basis of allocation herein set forth or otherwise. It is hereby agreed that production of unitized substances from a participating area shall be allocated as provided herein regardless of whether any wells are drilled on any particular part or tract of said participating area. If any gas produced from one participating area is used for repressuring or recycling purposes in another participating area, the first gas withdrawn from such lastmentioned participating area for sale during the life of this agreement shall be considered to be the gas so transferred until an amount equal to that transferred shall be so produced for sale and such gas shall be allocated to the participating area from which initially produced as such area was last defined at the time of such final production.

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13. DEVELOPMENT OR OPERATION OF NON-PARTICIPATING LAND OR FORMATIONS. Any party hereto owning or controlling the working interest in any unitized land having thereon a regular well location may with the approval of the Supervisor, the Commissioner or the State Commission, at such party's sole risk, costs, and expense, drill a well to test any formation for which a participating area has not been established or to test any formation for which a participating area has been established if such location is not within said participating area, unless within 90 days of receipt of notice from said party of his intention to drill the well the Unit Operator elects and commences to drill such a well in like manner as other wells are drilled by the Unit Operator under this agreement.

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30 31 If any well drilled as aforesaid by a working interest owner results in production such that the land upon which it is situated may properly be included in a participating area, such participating area shall be established or enlarged as provided in this agreement and the well shall thereafter be operated by the Unit Operator in accordance with the terms of this agreement and the unit operating agreement.

If any well drilled as aforesaid by a working interest owner obtains production in quantities insufficient to justify the inclusion of the land upon which such well is situated in a participating area, such well may be operated and produced by the party drilling the same subject to the conservation requirements of this agreement. The royalties in amount or value of production from any such well shall be paid as specified in the underlying lease and agreements affected.

ROYALTY SETTLEMENT. The United States and the State of New 14. Mexico and all royalty owners who are entitled to take in kind a share of the substances now unitized hereunder shall hereafter be entitled to the right to take in kind its share of the unitized substances, and Unit Operator, or the working interest owner in case of the operation of a well by a working interest owner as herein provided for in special cases, shall make deliveries of such royalty share taken in kind in conformity with the applicable contracts. laws, and regulations. Settlement for royalty interest not taken in kind shall be made by working interest owners responsible therefor under existing contracts, laws and regulations, or by the Unit Operator 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.

If gas obtained from lands not subject to this agreement is introduced into any participating area hereunder, for use in repressuring, stimulation of production, or increasing ultimate recovery, in

conformity with a plan of operations approved by the Supervisor and the Commissioner, a like amount of gas, after settlement as herein provided for any gas transferred from any other participating area and with appropriate deduction for loss from any cause, may be withdrawn from the formation into which the gas is introduced, royalty free as to dry gas, but not as to any products which may be extracted therefrom; provided that such withdrawal shall be at such time as may be provided in the approved plan of operations or as may otherwise be consented to by the Supervisor, the Commissioner and the State Commission as conforming to good petroleum engineering practice; and provided further, that such right of withdrawal shall terminate on the termination of this unit agreement.

Royalty due the United States shall be computed as provided in the operating regulations and paid in value or delivered in kind as to all unitized substances on the basis of the amounts thereof allocated to unitized Federal land as provided herein at the rates specified in the respective Federal leases, or at such lower rate or rates as may be authorized by law or regulation; provided, that for leases on which the royalty rate depends on the daily average production per well, said average production shall be determined in accordance with the operating regulations as though each participating area were a single consolidated lease.

Royalty due as to non-Federal lands under the respective leases shall be computed and paid on the basis of all unitized substances allocated to such lands hereunder.

15. RENTAL SETTLEMENT. Rental or minimum royalties due on leases committed hereto shall be paid by working interest owners responsible therefor under existing contracts, laws, and regulations, provided that nothing herein contained shall operate to relieve the lessees of any land from their respective lease obligations for the payment of any rental or minimum royalty due under their leases. Rental or minimum royalty for lands of the United States subject to this agreement shall be paid at the rate specified in the respective leases from the United

States unless such rental or minimum royalty is waived, suspended, or reduced by law or by approval of the Secretary or his duly authorized representative. Rentals on State of New Mexico lands subject to this agreement shall be paid at the rates specified in the respective leases, or may be reduced and suspended upon the order of the Commissioner pursuant to applicable laws and regulations.

With respect to any lease on non-Federal land containing provisions which would terminate such lease unless drilling operations are commenced upon the lard covered thereby within the time therein specified or rentals are paid for the privilege of deferring such drilling operations, the rentals required thereby shall, notwithstanding any other provision of this agreement, be deemed to accrue and become payable during the term thereof as extended by this agreement and until the required drilling operations are commenced upon the land covered thereby or until some portion of such land is included within a participating area.

- 16. CONSERVATION. Operations hereunder and production of unitized substances shall be conducted to provide for the most economical and efficient recovery of said substances without waste, as defined by or pursuant to State or Federal law or regulation.
- 17. DRAINAGE. The Unit Operator shall take such measures as the Supervisor and the Commissioner deem appropriate and adequate to prevent drainage of unitized substances from unitized land by wells on land not subject to this agreement.
- 18. 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 or gas on 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 Secretary as to Federal leases

and the Commissioner as to State of New Mexico leases shall and 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 Federal leases and State of New Mexico leases committed hereto and the regulations in respect thereto to conform said requirements to the provisions of this agreement, and, without limiting the generality of the foregoing, all leases, subleases, and contracts are particularly modified in accordance with the following:

- (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 separately owned tract subject to this agreement, regardless of whether there is any development of any particular tract of the unit are
- (b) Drilling and producing operations performed hereunder upon any tract of unitized lands will be accepted and deemed to be performed upon and for the benefit of each and every tract of unitized land, and no lease shall be deemed to expire by reason of failure to drill or produce wells situated on the land therein embraced.
- (c) Suspension of drilling or producing operations on all unitized lands pursuant to direction or consent of the Secretary or his duly authorized representative and on all unitized lands of the State of New Mexico pursuant to the consent of the Commissioner, or his duly recognized representative, shall be deemed to constitute such suspension pursuant to such direction or consent as to each and every tract of unitized land. A suspension of drilling or producing operations limited to specified lands shall be applicable only to such lands.
- (d) Each lease, sublease or contract relating to the exploration, drilling, development or operation for oil or gas of lands other than those of the United States committed to this agreement, which, by its terms might expire prior to the

any such terms so provided therein so that it shall be continued in full force and effect for and during the term of this agreement.

(e) Any Federal lease for a fixed term of twenty (20) years

- or any renewal thereof or any part of such lease which is made subject to this agreement shall continue in force beyond the term provided therein until the termination hereof. Any other Federal lease committed hereto shall continue in force beyond the term so provided therein or by law as to the land committed so long as such lease remains subject hereto, provided that production is had in paying quantities under this unit agreement prior to the expiration date of the term of such lease, or in the event actual drilling operations are commenced on unitized land, in accordance with the provisions of this agreement, prior to the end of the primary term of such lease and are being diligently prosecuted at that time, such lease shall be extended for two years and so long thereafter as oil or gas is produced in paying quantities in accordance with the provisions of the Mineral Leasing Act Revision of 1960.
- (f) Each sublease or contract relating to the operation and development of unitized substances from lands of the United States committed to this agreement, which by its terms would expire prior to the time at which the underlying lease, as extended by the immediately preceding paragraph, will expire, is hereby extended beyond any such term so provided therein so that it shall be continued in full force and effect for and during the term of the underlying lease as such term is herein extended.

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The segregation of any Federal lease committed to this (g) agreement is governed by the following provision in the fourth paragraph of Sec. 17(j) of the Mineral Leasing Act, 3 as amended by the Act of September 2, 1960 (74 Stat. 781-784): "Any [Federal] lease heretofore or hereafter committed to any such [unit] plan embracing lands that are in part within and in part outside of the area covered by any such plan shall be segregated into separate leases as to 9 the lands committed and the lands not committed as of the 10 effective date of unitization: Provided, however, That 11 any such lease as to the nonunitized portion shall continue 12 in force and effect for the term thereof but for not less than two years from the date of such segregation and 13 so long thereafter as off or gas is produced in paying 14 15 quantities." 16 Any lease, other than a Federal lease, having only a

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- portion of its lands committed hereto shall be segregated as to the portion committed and the portion not committed, and the provisions of such lease shall apply separately to such segregated portions commencing as of the effective date hereof. In the event any such lease provides for a lump-sum rental payment, such payment shall be prorated between the portions so segregated in proportion to the acreage of the respective tracts.
- 19. COVENANTS RUN WITH LAND. The covenants herein shall be construed to be covenants running with the land with respect to the interest 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,
transferree, or other successor in interest. No assignment or transfer
of any working interest, royalty, or other interest subject hereto
shall be binding upon Unit Operator until the first day of the calendar
month after Unit Operator is furnished with the original, photostatic,
or certified copy of the instrument of transfer.

20. EFFECTIVE DATE AND TERM. This agreement shall become effective upon approval by the Secretary or his duly authorized representative and shall terminate five (5) years from said effective date unless:

- (a) such date of expiration is extended by the Director
 and the Commissioner, or
- (b) it is reasonably determined prior to the expiration of the fixed term or any extension thereof that the unitized land is incapable of production of unitized substances in paying quantities in the formations tested hereunder and after notice of intention to terminate the agreement on such ground is given by the Unit Operator to all parties in interest at their last known addresses, the agreement is terminated with the approval of the Supervisor, or
- made or accepted on unitized land during said initial term or any extension thereof, in which event the agreement shall remain in effect for such term and so long as unitized substances can be produced in quantities sufficient to pay for the cost of producing same from wells on unitized land within any participating area established hereunder and, should production cease, so long thereafter as diligent operations are in progress for the restoration of production or discovery of new production and so long thereafter as unitized substances so discovered can be produced as aforesaid, or
- (d) it is terminated as heretofore provided in this agreement.

This agreement may be terminated at any time by not less than 75 percentum, on an acreage basis, of the working interest owners signatory hereto, with the approval of the Supervisor and the Commissioner; notice of any such approval to be given by the Unit Operator to all parties hereto.

21. RATE OF PROSPECTING, DEVELOPMENT, AND PRODUCTION. The Director is hereby vested with authority to alter or modify from time to time in his discretion the quantity and rate of production under this agreement when such quantity and rate is not fixed pursuant to Federal or State law or does not conform to any state-wide voluntary conservation or allocation program, which is established, recognized, and generally adhered to by the majority of operators in such State, such authority being hereby limited to alteration or modification in the public interest, the purpose thereof and the public interest to be served thereby to be stated in the order of alteration or modification. Without regard to the foregoing, the Director is also hereby vested with authority to alter or modify from time to time in his discretion the rate of prospecting and development and the quantity and rate of production under this agreement when such alteration or modification is in the interest of attaining the conservation objectives stated in this agreement and is not in violation of any applicable Federal or State law; provided, further, no such alteration or modification shall be affective as to any land of the State of New Mexico as to the rate of prospecting and development in the absence of the specific written approval thereof by the Commissioner and as to lands of the State of New Mexico or privately owned lands subject to this agreement as to the quantity and rate of production in the absence of specific written approval thereof by the Commissioner.

Powers in this section vested in the Director shall only be exercised after notice to Unit Operator and opportunity for hearing to be held not less than 15 days from notice.

22. APPEARANCES. Unit Operator shall, after notice to other parties affected, have the right to appear for and on behalf of any and all interests affected hereby before the Department of the Interior and to appeal from orders issued under the regulations of said Department or to apply for relief from any of said regulations or in any proceedings relative to

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operations before the Department of the Interior or any other legally constituted authority; provided, however, that any other interested party shall also have the right at his own expense to be heard in any such proceeding.

- 23. NOTICES. All notices, demands or statements required hereunder to be given or rendered to the parties hereto shall be deemed fully given if given in writing and personally delivered to the party or sent by postpaid registered or certified mail, addressed to such 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 party sending the notice, demand or statement.
- 24. NO WAIVER OF CERTAIN RIGHTS. Nothing in this agreement contained shall be construed as a waiver by any 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 wherein said unitized lands are located, or of the United States, 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.
- 25. UNAVOIDABLE DELAY. All obligations under this agreement requiring the Unit Operator to commence or continue drilling or to operate on or produce unitized substances from any of the lands covered by this agreement shall be suspended while 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. No unit obligation which is suspended under this section shall become due less than thirty (30) days after it

has been determined that the suspension is no longer applicable. Determination of creditable "Unavoidable Delay" time shall be made by the unit operator subject to approval of the Supervisor and Commissioner.

- 26. NONDISCRIMINATION. In connection with the performance of work under this agreement, the operator agrees to comply with all the provisions of section 202 (1) to (7) inclusive of Executive Order 11246 (30 F.R. 12319), which are hereby incorporated by reference in this agreement.
- land shall fail and the true owner cannot be induced to join in this unit agreement, such tract shall be automatically regarded as not committed hereto and there shall be such readjustment of future costs and benefits as may be required on account of the loss of such title. In the event of a dispute as to title as to any royalty, working interest, or other interests subject thereto, payment or delivery on account thereof may be withheld without liability for interest until the dispute is finally settled; provided, that, as to Federal and State land or leases, no payments of funds due the United States or the State of New Mexico should be withheld, but such funds shall be deposited as directed by the Supervisor and the Commissioner, respectively, 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 defect or failure of any title hereunder.

28. NON-JOINDER AND SUBSEQUENT JOINDER. If the owner of any substantial interest in a tract within the unit area fails or refuses to subscribe or consent to this agreement, the owner of the working interest in that tract may withdraw said tract from this agreement by written notice delivered to the Supervisor, the Commissioner and the Unit Operator prior to the approval of this agreement by the Supervisor and the Commissioner. Any oil or gas interests in lands within the unit area not committed hereto prior to submission of this agreement

for final approval may therafter be committed hereto by the owner or owners thereof subscribing or consenting to this agreement, and, if the interest is a working interest, by the owner of such interest also subscribing to the unit operating agreement. After operations are commenced hereunder, the right of subsequent joinder, as provided in this section, by a working interest owner is subject to such requirements or approvals, if any, pertaining to such joinder, as may be provided for in the unit operating agreement. After final approval hereof, joinder by a non-working interest owner must be consented to in writing by the working interest owner committed hereto and responsible for the payment of any benefits that may accrue hereunder in behalf of such non-working interest. A non-working interest may not be committed to this unit agreement unless the corresponding working interest is committed hereto. Joinder to the unit agreement by a working-interest owner, at any time, must be accompanied by appropriate joinder to the unit operating agreement, if more than one committed working-interest owner is involved, in order for the interest to be regarded as committed to this unit agreement. Except as may otherwise herein be provided, subsequent joinders to this agreement shall be effective as of the first day of the month following the filing with the Supervisor and the Commissioner of duly executed counterparts of all or any papers necessary to establish effective commitment of any tract to this agreement unless objection to such joinder is duly made within 60 days by the Supervisor or the Commissioner.

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29. COUNTERPARTS. This agreement may be executed in any number of counterparts no one of which needs to be executed by all parties or may be ratified or consented to by separate instrument in writing specifically referring hereto and shall be binding upon all 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.

30. SURRENDER. Nothing in this agreement shall prohibit the exercise by any working interest owner of the right to surrender vested in such party by any lease, sublease, or operating agreement as to all or any part of the lands covered thereby, provided that each party who will or might acquire such working interest by such surrender or by forfeiture as hereafter set forth, is bound by the terms of this agreement.

If as a result of any such surrender the working interest rights as to such lands become vested in any party other than the fee owner of the unitized substances, said party may forfeit such rights and further benefits from operation hereunder as to said land to the party next in the chain of title who shall be and become the owner of such working interest.

If as the result of any such surrender or forfeiture working interest rights become vested in the fee owner of the unitized substances, such owner may:

- (1) Accept those working interest rights subject to this agreement and the unit operating agreement; or
- (2) Lease the portion of such land as is included in a participating area established hereunder subject to this agreement and the unit operating agreement.
- (3) Provide for the independent operation of any part of such land that are not then included within a participating area established hereunder.

If the fee owner of the unitized substances does not accept the working interest rights subject to this agreement and the unit operating agreement or lease such lands as above provided within six (6) months after the surrendered or forfeited working interest rights become vested in the fee owner, the benefits and obligations of operations accruing to such lands under this agreement and the unit operating agreement shall be shared by the remaining owners of unitized working interests in accordance with their respective working interest ownerships.

and such owners of working interests shall compensate the fee owner of unitized substances in such lands by paying sums equal to the rentals, minimum royalties, and royalties applicable to such lands under the lease in effect when the lands were unitized.

An appropriate accounting and settlement shall be made for all benefits accruing to or payments and expenditures made or incurred on behalf of such surrendered or forfeited working interest subsequent to the date of surrender or forfeiture, and payment of any monies found to be owing by such an accounting shall be made as between the parties within thirty (30) days. In the event no unit operating agreement is in existence and a mutually acceptable agreement between the proper parties thereto cannot be consummated, the Supervisor and Commissioner may prescribe such reasonable and equitable agreement as he deems warranted under the circumstances.

The exercise of any right vested in a working interest owner to reassign such working interest to the party from whom obtained shall be subject to the same conditions as set forth in this section in regard to the exercise of a right to surrender.

31. 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 contract after the effective date of this agreement, or upon the proceeds or net proceeds derived therefrom. The working interest owners on each tract shall and 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 United States or the State of New Mexico or to any lessor who has a contract with his lessee which requires the lessee to pay such taxes.

- 1	32. NO PARTNERSHIP, It	is expressly agreed that the relation
2	of the parties hereto is that	of independent contractor; and nothing
3	in this agreement contained, e	expressed or implied, nor any operations
4		ate or be deemed to have created a partner-
. 5		e parties hereto or any of them.
6	33. SURFACE MANAGEMENT S	TIPULATION. Nothing in this agreement
. 7	shall modify any special Feder	al-lease stipulations relating to surface
8	management, attached to and ma	de a part of 011 and Gas Leases covering
9	lands within the Unit Area.	
광 .		
10	34. RECLAMATION LANDS.	Nothing in this agreement shall modify
11	the special, Federal-lease sti	pulations applicable to lands under the
12	jurisdiction of the Bureau of	Reclamation.
13	IN WITNESS WHEREOF,	the parties hereto have caused this
14	agreement to be executed as of	the date first above written and have
15	set opposite their respective	names the date of execution.
eren en e		and the second s
16		UNIT OPERATOR
17		Amoco Production Company
		YII
18 19		By: W/// Neppurport
20		WORKING INTEREST OWNERS
21		
22 23 24	Marathon 011 Company P. O. Box 552 Midland, Texas 79701	Inexco Oil Company 1801 Americana Building Houston, Texas 77002
25 26	Southland Royalty Company 1405 Wilco Building	Perry R. Bass P. O. Box 171 Midland Toyne 70701

APPROVED APP

1	STATE OF TEXAS
. 2	COUNTY OF HARRIS
3	The foregoing instrument was acknowledged before me this
4	day of March. 1974, by C. N. MENNINGER
5	as Attorney-in-Fact on behalf of AMOCO PRODUCTION COMPANY.
6	My Commission Expires:
7	61.15 June Haraa
8	Notary Public in and for Harris County, Texas
a.	IRENE HALDAS Notary Public In and for Harris County, Texas

TRAIL CANYON UNIT AGREEMENT EDDY COUNTY, NEW MEXICO

	6	vл	4	ω			N	· 🗕		TRACT	
	Sec. 3: Lots 1,2,3, 4,5/2 NE/4, SE/4 NW/4, NE/4 SW/4, S/2 SW/4, SE/4	Sec. 2: Lots 1,2,3, 4, S/2 N/2, S/2	Sec. 15: N/2, N/2 S/2, S/2 SW/4	T24S-R23E Sec. 11: All	State Acreage	2 Federal Tracts:	Sec. 1: Lots 1,2,3, 4, S/2 N/2, N/2 SE/4, SW/4 SE/4, SW/4	T24S-R23E Sec. 1: SE/4 SE/4	Federal Acreage	DESCRIPTION OF LAND	
	559.2	639.2	560	640		640 acres	600	40		NUMBER OF ACRES	
	LG-278-1 6-1-82	LG-277 6-1-82	K-4255 7-21-74	K-4046 4-21-74			NM 12391 9-30-80	NM 10584 10-31-79	- -	SERIAL NO. AND EXPIRATION DATE OF LEASE	
	State 12.5%	State 12.5%	State 12.5%	State 12.5%			USA-A11 12.5%	USA-A11 12.5%		BASIC ROYALTY AND OWNERSHIP PERCENTAGE	1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
	Inexco 0il Co.	Amoco Production Company	Southland Royalty Company	Amoco Production Company			Marathon	Amoco Production Company		LESSEE OF RECORD	
	None	None	None	None			Charles O. Johnson and wife Evelyn C. Johnson - 5%	Howell Spear and Ellie Spear - 4%		OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE	
The state of the s	Inexco 0il Co 100%	Amoco Production Co 100%	Southland Royalty Co100%	Amoco Production Co 100%			Marathon 011 Co 100%	Amoco Production Co 100%		February 1, 1974 WORKING INTEREST AND OWNERSHIP PERCENTAGE	

11		10	ဖ	∞	7	TRACT NO.
T24S-R23E NMPM Sec. 3: SW/4 NW/4, NW/4 SW/4 9: E/2 NW/4, NW/4 NE/4	8 State Tracts: 48	Sec. 16: All	Sec. 14: NW/4, N/2 NE/4, SW/4 N3/4, SE/4, N/2 SW/4, SE/4 SW/4 Sec. 15: S/2 SE/4	10: A11	T24S-R23E NIMPM Sec. 9: W/2 NW/4, E/2 NE/4, SW/4 NE/4, S/2	DESCRIPTION OF LAND
200	4838.4 acres	640	4 640	640	520	NUMBER OF ACRES
4-3-82		LG-284-1 6-1-82	6-1-82	LG-282-1 6-1-82	LG-280-1 6-1-82	SERIAL NO. AND EXPIRATION DATE OF LEASE
Madeline Foster, Indi and Madeline Foster a Foster, Co-executors J. B. Foster - 12.5%		State 12.5%	State 12.5%	State 12.5%	State 12.5%	BASIC ROYALTY AND OWNERSHIP PERCENTAGE
lvidually and Sherwood		Inexco Oil Co.	P. R. Bass	Inexco 011 Co.	Inexco 011 Co.	LESSEE OF RECORD
Off		None	None	None	None	OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE
Inexco 0il Co 100%		Inexco Oil Co 100%	P. R. Bass - 100%	Inexco 011 Co 100%	Inexco 011 Co 100%	WORKING INTEREST AND OWNERSHIP PERCENTAGE

	JDA:db 2/064-798				12	TRACT NO.
	798			2 Poo Tracts: 2	Sec. 14: SE/4 NE/4, SW/4 SN/4	DESCRIPTION OF
			Federal State Fee	280 acres	8	NUMBER OF ACRES
			640 acres 4838.4 acres 280 5758.4		10-9-77	SERIAL NO. AND EXPIRATION DATE OF LEASE
			= 11.12% = 84.02 = 4.86% 100 %		Madeline Foster Madeline Foster Co-executors of Foster - 12.5%	BASIC ROYALTY AND OWNERSHIP PERCENTAGE
					and Sherwood Foster, the Est. of J. B.	LESSEE OF RECORD
* * * * * * * * * * * * * * * * * * * *					None	OVERRIDING ROYALTY AND OWNERSHIP PERCENTAGE
					Inexco 011 Co 100%	WORKING INTEREST AND OWNERSHIP PERCENTAGE

BEFORE THE OIL CONSERVATION COMMISSION STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF AMOCO PRODUCTION COMPANY, FOR APPROVAL OF TRAIL CANYON UNIT AGREEMENT, EDDY COUNTY, NEW MEXICO.)

Case No. 5181

ENTRY OF APPEARANCE

The undersigned Atwood, Malone, Mann & Cooter of Roswell, New Mexico, hereby enter their appearance herein for the Applicant, Amoco Production Company, with Guy Buell, Esquire, of Houston, Texas.

ATWOOD, MALONE, MANN & COOTER

Attorneys for Amoco Production Company

P. O. Drawer 700 Roswell, New Mexico 88201

CONSERVATION COMM Santa Fe

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 13, 1974

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

ALLOWABLE:

- (1) Consideration of the allowable production of gas for April, 1974, from seventeen prorated pools in Lea, Eddy, Roosevelt and Chaves Counties, New Mexico;
- (2) Consideration of the allowable production of gas from five prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico, for April, 1974.

CASE 5179: Application of HNG 011 Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Dogie Draw Unit Area comprising 5,122 acres, more or less of State, Federal, and fee lands in Township 26 South, Range 36 East, Lea County, New Mexico.

CASE 5180:

Application of Amoco Production Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Rock Lake Unit Area comprising 5760 acres, more or less, of State and fee lands in Township 22 South, Range 35 East, Lea County, New Mexico.

CASE 5181:

Application of Amoco Production Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above styled cause, seeks approval of the Trail Canyon Unit Area comprising 5758 acres, more or less, of State, Federal and fee lands in Township 24 South, Range 23 East, Eddy County, New Mexico.

CASE 5182: Application of Perry R. Bass for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the W/2 of Section 15, Township 21 South, Range 27 East, adjacent to the Burton Flats Field, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location in the W/2 of said Section 15. Also to be considered will be the cost of drilling and completing said well and the allocation of such costs, as well as actual operating costs and charges for supervision. Also to be considered is the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 5183: Application of Amini Oil Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to the North Vacuum Aborol rules, authority to drill its Pennzoil State Well No. 2 at an unorthodox location for said pool 1780 feet from the South line and 460 feet from the West line of Section 36, Township 16 South, Range 34 East, Lea County, New Mexico.
- CASE 5184: Application of Mountain States Petroleum Corporation for an unorthodox gas well location, Chaves County, New Mexico.

 Applicant, in the above-styled cause, seeks, as an exception to the Buffalo Valley-Pennsylvanian Pool rules, approval for an unorthodox gas well location for a well to be drilled at a point 990 feet from the South and West lines of Section 36, Township 14 South, Range 27 East, Chaves County, New Mexico.
- CASE 5185: Application of Rice Engineering & Operating, Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Abo formation in the open-hole and perforated interval from 8442 feet to 9150 feet in its Abo SWD Well No. 2 located in Unit C of Section 2, Township 17 South, Range 36 East, Lovington Abo Pool, Lea County, New Mexico.
- CASE 5186: Application of Amerada Hess Corporation for an unorthodox oil well location and two non-standard oil proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks, as an exception to the Bagley Siluro-Devonian Pool rules, the formation of two non-standard proration units in Section 35, Township ll South, Range 33 East, Lea County, New Mexico. the first being a 40-acre unit comprising the NW/4 SE/4 to be dedicated to applicant's State BTD Well No. 2, and the second being an 80-acre unit comprising the SE/4 SW/4 and the SW/4 SE/4 to be dedicated to applicant's State BTD Well No. 1, proposed to be drilled at an unorthodox location for said pool 660 feet from the South line and 1900 feet from the East line of said Section 35.
- CASE 5187: Application of Inexco Oil Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Pennsylvanian formation underlying Section 17, Township 21 South, Range 26 East, Eddy County, New Mexico, adjacent to the Catclaw Draw-Morrow Gas Fool, to be dedicated to a well to be drilled at a standard location for said pool. Also to be considered will be the cost of drilling and completing said well and the allocation of such costs, as well as actual operating costs and charges for supervision. Also to be considered is the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 5188: Application of Continental Oil Company for downhole commingling,
 Lea County, New Mexico. Applicant, in the above-styled cause,
 seeks authority to commingle Drinkard and Blinebry production in
 the wellbore of its Lockhart B-1 Well No. 8 located in Unit II of
 Section 1, Township 22 South, Range 36 East, Lea County, New Mexico.
- CASE 5189: Application of Craig Folson for an unorthodox oil well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well proposed to be drilled at a point 1340 feet from the South line and 1300 feet from the East line of Section 12, Township 13 South, Range 31 East, Caprock-Queen Pool, Chaves County, New Mexico.
- CASE 5190: Application of Union Oil Company of California for pool creation and special rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Morrow gas pool for its Pipeline Deep Unit Well No. 1 located in Unit J of Section 17, Township 19 South, Range 34 East, Lea County, New Mexico, and for the promulgation of special rules therefor including a provision for 640-acre spacing.
- CASE 5191: Application of Murphy Minerals Corporation for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water through two wells into the Grayburg-San Andres formation on its Gissler "B" lease in Sections 11 and 12, Township 17 South, Range 30 East, Square Lake Pool, Eddy County, New Mexico.
- CASE 5192: In the matter of the application of the Oil Conservation Commission of New Mexico upon its own motion for the extension of the following pools in Lea County:

Antelope Ridge-Morrow Gas Pool EK Yates-Seven Rivers-Queen Pool House-San Andres Pool Humble City-Atoka Pool North Shoe Bar-Wolfcamp Pool Tres Papalotes-Pennsylvanian Pool Wantz-Granite Wash Pool

CASE 5124: (Continued from the February 13, 1974 Examiner Hearing)

Application of Belco Petroleum Corporation for compulsory pooling and an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests underlying the S/2 of Section 30, Township 20 South, Range 33 East, South Salt Lake-Morrow Gas Pool, Lea County, New Mexico, to be dedicated to a well to be drilled at an unorthodox location 660 feet from the South line and 1300 feet from the East line of said Section 30. Also to be considered will be the cost of drilling and completing said well and the allocation of such costs, as well as actual operating costs and charges for supervision. Also to be considered is the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 5140: (Continued from the February 13, 1974, Examiner Hearing)

Application of Pierce & Dehlinger for compulsory pooling, Vada-Pennsylvanian Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Vada-Pennsylvanian Pool underlying the NW/4 of Section 24, Township 9 South, Range 33 East, Lea County, New Mexico, to be dedicated to the King Resources Sheridan Well No. 1-A located in Unit C of said Section 24. Also to be considered is designation of the applicant as operator of the NW/4 of said Section 24 and the well located thereon, provision for allocation of actual operating costs and charges for supervision, and allocation of costs for reworking said well including a 200% charge attributable to any non-consenting working interest owner's pro rata share of said workover costs, for the risk involved in said workover.

CASE 4956: (Reopened) (Continued from the February 13, 1974 Examiner Hearing

Application of Pierce & Dehlinger for a determination of well costs, Lea County, New Mexico. Applicant, as operator of the Sheridan Well No. 1 located in Unit M of Section 13, Township 9 South, Range 33 East, Lea County, New Mexico, to which well is dedicated the SW/4 of said Section 13, all mineral interests in the Vada-Pennsylvanian Pool thereunder having been pooled by Commission Order No. R-4560, seeks the determination of reasonable well costs attributable to applicant and to King Resources, including, but not limited to, the costs of reworking and placing said Sheridan Well No. 1 back on production and attorneys fees in connection therewith. Applicant further seeks an order assessing, as a charge for the risk involved in the reworking of the well, 120% of the pro rata share of the reasonable well costs attributable to the working interest of King Resources.



Amoco Production Company

500 lafferson Building P.O. Box 3092 Houston, Texas 77001

J. C. Burton Division Engineer

February 7, 1974

File: DRC-986.51NM-680

Re: Trail Canyon Unit

Mr. A. L. Porter, Jr. (3)
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Sir:

Please docket a hearing at the earliest possible date to consider Amoco Production Company's application for approval of the Trail Canyon Unit. The Unit area comprises 5758 acres, more or less, of State, Federal and Fee Lands all in T24S, R23E, Eddy County, New Mexico. Copies of the Unit Agreement will be furnished prior to the Hearing.

Attached is a plat showing the proposed Unit and the adjacent area.

Very truly yours,

Attachment

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Amoco Production Company

500 Jefferson Building P.O. Box 3092 Houston, Texas 77001

J. C. Burton Division Engineer

February 7, 1974

File: DRC-986.51NM-680

Re: Trail Canyon Unit

FEB 19 COMMING COMMING

Mr. A. L. Porter, Jr. (3) New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Dear Sir:

Please docket a hearing at the earliest possible date to consider Amoco Production Company's application for approval of the Trail Canyon Unit. The Unit area comprises 5758 acres, more or less, of State, Federal and Fee Lands all in T245, R235, Eddy County, New Newico. Copies of the Unit Agreement will be furnished prior to the Hearing.

Attached is a plat showing the proposed Unit and the adjacent area.

Very truly yours,

Attachment

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BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE No. 5181

Order No. R-474.

APPLICATION OF AMOCO PRODUCTION COMPANY
FOR APPROVAL OF THE TRAIL CANYON
UNIT AGREEMENT, EDDY , COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 13 , 1964 , at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this <u>day of March</u>, 19674, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Amoco Production Company

 seeks approval of the Trail Canyon Unit Agreement

 State,

 covering 5,758.4 acres, more or less, of Federal lands and Fee

 described as follows:

EDDY COUNTY, NEW MEXICO
TOWNSHIP 24 SOUTH RANGE 23 EAST, NMPM

sections 1 through 3: All Sections 9 through 11: All Sections 14 through 16: All

p.

(3) That approval of the proposed unit agreement should promote the prevention of waste and the protection of correlative rights within the unit area.

IT IS THEREFORE ORDERED:

- (1) That the <u>Trail Canyon</u> Unit Agreement is hereby approved.
- (2) That the plan contained in said unit agreement for the development and operation of the unit area is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Commission to supervise and control operations for the exploration and development of any lands committed to the unit and production of oil or gas therefrom.
- (3) That the unit operator shall file with the Commission an executed criginal or executed counterpart of the unit agreement within 30 days after the effective date thereof; that in the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.
- of said unit agreement by the Commissioner of Public Lands for the State of New Mexico and the Director of the United States Geological Survey; that this order shall terminate <u>ipso facto</u> upon the termination of said unit agreement; and that the last unit operator shall notify the Commission immediately in writing of such termination.
- (5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico March 13, 1974

EXAMINER HEARING

IN THE MATTER OF:

Application of Amoco Production Company for a unit agreement, Eddy County, New Mexico.

Case No. 5181

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission:

William Carr, Esq.
Legal Counsel for the
Commission
State Land Office Bldg.
Santa Fe, New Mexico

For the Applicant:

Guy Buell, Esq.
Attorney for Amoco
Production Company
500 Jefferson Bldg.
P.O. Box 3092
Houston, Texas

ANDERSON-DIRECT

MR. STAMETS: Call the next case. Case 5181

MR. CARR: Case 5181. Application of Amoco

Production Company for a unit agreement, Eddy County, New
Mexico.

MR. STAMETS: The record should show that the same witnesses as appeared in Case 5180 appear in this Case and have previously been sworn.

(Witness previously sworn.)

JACK D. ANDERSON

called as a witness, having been first duly sworn, was examined and testified as follows:

(Whereupon, a discussion was held off the record.)

DIRECT EXAMINATION

BY MR. BUELL:

Q Mr. Anderson, are you the same Jack Anderson that testified in the previous case?

A Yes, No. 5180.

Q All right, sir. In connection with this particular case I wish you would look first at what has been identified as Amoco's Exhibit No. 1. What is that Exhibit?

A It is Exhibit A to the Unit Agreement, and it outlines the proposed Trail Canyon Unit which comprises

ANDERSON-DIRECT

5758,4 acres.

Q Would you describe the acreage included within the Trail Canyon Unit as reflected by Exhibit No. 1, please, Mr. Anderson?

A Yes, sir. All of the acreage is located in Township 24 South, Range 23 East, Eddy County, New Mexico, and includes all of Sections 1, 2, 3, 9, 10, 11, 14, 15 and 16.

Q All right, sir. Now we really have a mixed bag of acreage in this Unit; we have State, Federal and fee. How have you distinguished the various categories on Exhibit 1?

A The Federal acreage is shaded in green, the fee acreage is shaded in red and the State acreage is white.

- Q What is the acreage breakdown, Mr. Anderson?
- A In this Unit the State has 4838.4 acres which represents 84.02 percent of the Unit; Federal acreage is 640 which represents 11.12 percent and the fee acreage is 280 acres representing 4.86 percent.
- Q So again, as in our previous case, we have a unit here which is composed primarily, predominantly of State acreage?

- A Yes, sir.
- Q All right, sir. What is the status of workingowners commitment to this Unit?
- A All of the working-interest owners have given their verbal commitment to the Unit except Tract No. 9 which is owned by Perry R. Bass.
 - Q That Tract is in two parts, isn't it?
- A Yes. Part of it is in Section 14 and part in Section 15. It is a State lease containing 640 acres.
- Q All right, sir. What is your percent of commitment, including the Perry Bass 640 acres?
 - A We would have 88.88 percent.
- Q All right, sir. When you consider your interest that is committed and the particular location of the Perry R. Bass acreage, do you feel that it would still give us effective operational control over the Unit?
 - A Yes, sir, I do.
- Q Let me ask you this: Are you currently negotiating at this time with the representatives of Perry R. Bass with regard to a farm-out on the acreage that we just discussed?
- A Yes, sir, we are doing this. The working-interest owners that have joined in the Unit are working with Mr.

ANDERSON-DIRECT

Bass and we feel that we will be able to work out some type of agreement so the working-interest owners would have control of the Bass acreage.

Q All right, sir. What about the State and Federal royalty ownership? What is the status of commitment in that regard?

A Okay. By letter dated February 14th, 1974, we received preliminary approval from the USGS of the Unit Agreement; by letter dated December 26th, 1973, we received a letter from the State Land Commissioner giving his approval as to the Unit area. At this time we have in the Office of the Land Commissioner our request for their preliminary approval with the Unit Agreement and the attachments thereto.

Q All right, sir, let me direct your attention now to what has been identified as our Exhibit No. 2. What is that Exhibit?

A It is the Unit Agreement which is a 1968 reprint of the Federal form.

Q To your knowledge has the State committed State entrance to a unit agreement such as that same form and content, generally speaking?

A Yes.

Q All right, sir. Let me ask you now to jump back to Exhibit 1 if you will. I notice we've got two notches in this Unit, ones in the northwest corner, and let's just discuss that one first, I guess that would be Section 4. Why didn't you include Section 4 in this Unit, Mr. Anderson?

A Section 4 was not included. We approached the working-interest owner and were advised at the time that we were forming the Unit that that acreage was committed to some drilling activity to be carried on to the northwest of this proposed Unit.

- Q All right, sir, now let's jump on over to the east edge of our proposed unit and I see we've got a two-section notch there; I would guess it would be Sections 12 and 13, is that correct?
 - A Yes.
 - Q Why weren't Sections 12 and 13 included?
- A We had a similar story there. The workinginterest owners were committed to a well being drilled
 in Section 16, Township 24 South, Range 24 East, and at
 the time we were forming the Unit their acreage was
 committed and tied to that test.
 - O When this Unit was discussed with both representa-

tives of the Federal Government and representatives of the State of New Mexico, were they aware of the configuration that this Unit would be in as reflected by Exhibit No. 1?

A Yes. Our first attempt at putting this Unit together did include Sections 12 and 13 and we had to go back to the State Land Commissioner and advise him of the change and also we advised the USGS that we attempted to secure commitment of those two sections initially and were unable to do so.

Q All right, sir. Have you approximately located the position of the proposed test well in any way on Exhibit 1?

A Yes, it is indicated by a red dot. Footage location for the initial test well is 500 feet from the west line, 900 feet from the north line, that's Section 11, Township 24 South, Range 23 East.

- Q Now that's an unorthodox location is it not, Mr. Anderson?
 - A Yes, it is.
- Q Why is it located in that position instead of in an orthodox location?
 - A It's the topographic terrain; it's very rough

and rugged in that part of the country.

- Q Based on the rugged surface conditions, has the Commission already approved administratively, based on waivers from all off-setting interest owners, the unorthodox location of our proposed test well?
 - A Yes, they have.
- Q All right, sir. Do you have anything else you care to add at this time, Mr. Anderson?
 - A I don't believe so, I believe that would --
 - Q (Interrupting) What about time?
- A I was waiting for you to bring that up. We have leases in this Unit that expire April 21st, 1974.

 It seems that the State must have issued a lot of leases back in '64 around April the 21st.
 - Q Are you again urging the Examiner to --
- A (Interrupting) We urge them to give their usual expedient consideration.
- Q All right, sir, other than that do you have anything you would like to add to the record?
 - A No, I think that will be it.
- MR. BUELL: If it please the Examiner that is all that we have of Mr. Anderson.

MR. STAMETS: Are there any questions of the

CASE 5181

Witness? He may be excused.

(Whereupon, a discussion was held off the record.)

(Witness previously sworn.)

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BY MR. BUELL:

Q Mr. Gaizutis, you're the same Mr. Gaizutis who previously testified in Case 5180?

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Q In connection with your testimony here, would you at first please look at what has been identified as Amoco's Exhibit No. 3 and state for the record what that Exhibit reflects?

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porosity within these sands and we feel they are critical to our story and are indicated in yellow and in orange.

- Q Have you designated the Unit on your Exhibit No. 3?
 - A The Unit is outlined in green tape.
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- A Yes. Here we are looking at a small area where we have considerable control, considerable new drilling for the Morrow as a primary objective.
- Q Is that why you've mapped the Morrow here as opposed to the Atoka on your regional map in the previous case?
- A Yes, the structure horizon is more directly related to our main-objective sand in this particular area. We feel that the primary objective sand may be the only one here.
- Q It might be helpful, and speed up this Gase, Mr. Gaizutis, if we go now to what has been identified as Exhibit No. 4. Identify that for the record and then that way we will be able to jump back and forth between 3 and 4 and use them together to expedite your testimony.

What is Exhibit No. 4?

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- Q Do you have a surface trace of that on Exhibit 3?
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Q Mr. Gaizutis, we know we have tight Morrow to the left of us and tight Morrow to the right of us; what data have you looked at that make you feel the possibility exists that we'll have some good porous Morrow running in a northeasterly-southwesterly direction right through our proposed Unit?

A The most critical evidence is the Shell No. 1
China Canyon Unit Well located in Section 29, Township 23
South, Range 24 East, which is in the center of our
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GAIZUTIS-DIRECT

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Q Here is the middle Morrow again our primary

GAIZUTIS-DIRECT

objective?

- A Yes.
- Q Do we have any prospects up above the middle Morrow as we have any prospects up above the middle

A Yes, There are additional indications, both in the Atoka, that has produced marginally in the area, and recent production indicated here in the C. K. Lowe Well that originally was classified as Canyon, now appears to be Wolfcamp. We feel there is that shot in our well also.

- Q Do we intend to drill our test well through the Morrow?
 - A Yes, we will also TD in the Mississippian Shale.
- Q Mr. Gaizutis, do you have anything that you would care to add to your testimony at this time?
- A The only other mention that we did not include in the original discussion was the appearance of the faulting through the area, the Apache monocline or fault to the southwest and what is believed to be a fault behind the Rock Lake --
- Q (Interrupting) And the trace of those faults are shown on your Exhibit 3 in brown?
 - A Yes, sir.
 - Q Is that all, Mr. Gaizutis? Is that all you

have?

A Yes, sir.

MR. BUELL: That's all we have of Mr. Gaizutis on direct, Mr. Examiner. I would like to formally offer Amoco's Exhibits 1 through 4, inclusive.

MR. STAMETS: Exhibits 1 through 4 will be admitted into evidence.

(Whereupon, Applicant's Exhibits Nos.

1 through 4 were admitted into evidence.)

MR. STAMETS: Mr. Gaizutis, you called that

Rock Lake, I believe you meant Rock Tank?

MR. GAIZUTIS: Rock Tank.

MR. STAMETS: Are there any questions of the Witness? He may be excused.

MR. ANDERSON: I don't believe the depth was given, 10,800 feet.

MR. STAMETS: Anything further in this case?

MR. BUELL: No, sir, Mr. Examiner.

MR. STAMETS: We will take the case under advisement.

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STATE OF NEW MEXICO)
SS.
COUNTY OF SANTA FE)

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

RICHARD L. NYE, Court Reporter

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5/8/.
heard by me on 19/4.

Examiner New Mexico Oil Conservation Commission

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico March 13, 1974

EXAMINER HEARING

IN THE MATTER OF:

Application of Amoco Production Company for a unit agreement, Eddy County, New Mexico.

Case No. 5181

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission:

William Carr, Esq.
Legal Counsel for the
Commission
State Land Office Bldg.
Santa Fe, New Mexico

For the Applicant:

Guy Buell, Esq.
Attorney for Amoco
Production Company
500 Jefferson Bldg.
P.O. Box 3092
Houston, Texas

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JACK D. ANDERSON

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Direct testimony by Mr. Buell

KES J. GAIZUTIS

Direct testimony by Mr. Buell

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EXHIBITS

Applicants Exhibits Nos. 1 through 4

<u>Marked</u> Admitted

Mexico.

MR. STAMETS: Call the next case. Case 5181

MR. CARR: Case 5181. Application of Amoco

Production Company for a unit agreement, Eddy County, New

MR. STAMETS: The record should show that the same witnesses as appeared in Case 5180 appear in this Case and have previously been sworn.

(Witness previously sworn.)

JACK D. ANDERSON

called as a witness, having been first duly sworn, was examined and testified as follows:

(Whereupon, a discussion was held off the record.)

DIRECT EXAMINATION

BY MR. BUELL:

- Q Mr. Anderson, are you the same Jack Anderson that testified in the previous case?
 - A Yes, No. 5180.
- Q All right, sir. In connection with this particular case I wish you would look first at what has been identified as Amoco's Exhibit No. 1. What is that Exhibit?
- A It is Exhibit A to the Unit Agreement, and it outlines the proposed Trail Canyon Unit which comprises

5758,4 acres.

Q Would you describe the acreage included within the Trail Canyon Unit as reflected by Exhibit No. 1, please, Mr. Anderson?

A Yes, sir. All of the acreage is located in Township 24 South, Range 23 East, Eddy County, New Mexico, and includes all of Sections 1, 2, 3, 9, 10, 11, 14, 15 and 16.

Q All right, sir. Now we really have a mixed bag of acreage in this Unit; we have State, Federal and fee. How have you distinguished the various categories on Exhibit 1?

A The Federal acreage is shaded in green, the fee acreage is shaded in red and the State acreage is white.

- Q What is the acreage breakdown, Mr. Anderson?
- A In this Unit the State has 4838.4 acres which represents 84.02 percent of the Unit; Federal acreage is 640 which represents 11.12 percent and the fee acreage is 280 acres representing 4.86 percent.
- Q So again, as in our previous case, we have a unit here which is composed primarily, predominantly of State acreage?

- A Yes, sir.
- Q All right, sir. What is the status of workingowners commitment to this Unit?

A All of the working-interest owners have given their verbal commitment to the Unit except Tract No. 9 which is owned by Perry R. Bass.

- Q That Tract is in two parts, isn't it?
- A Yes. Part of it is in Section 14 and part in Section 15. It is a State lease containing 640 acres.
- Q All right, sir. What is your percent of commitment, including the Perry Bass 640 acres?
 - A We would have 88.88 percent.
- Q All right, sir. When you consider your interest that is committed and the particular location of the Perry R. Bass acreage, do you feel that it would still give us effective operational control over the Unit?
 - A Yes, sir, I do.
- Q Let me ask you this: Are you currently negotiating at this time with the representatives of Perry R. Bass with regard to a farm-out on the acreage that we just discussed?
- A Yes, sir, we are doing this. The working-interest owners that have joined in the Unit are working with Mr.

Bass and we feel that we will be able to work out some type of agreement so the working-interest owners would have control of the Bass acreage.

Q All right, sir. What about the State and Federal royalty ownership? What is the status of commitment in that regard?

A Okay. By letter dated February 14th, 1974, we received preliminary approval from the USGS of the Unit Agreement; by letter dated December 26th, 1973, we received a letter from the State Land Commissioner giving his approval as to the Unit area. At this time we have in the Office of the Land Commissioner our request for their preliminary approval with the Unit Agreement and the attachments thereto.

Q All right, sir, let me direct your attention now to what has been identified as our Exhibit No. 2. What is that Exhibit?

A It is the Unit Agreement which is a 1968 reprint of the Federal form.

Q To your knowledge has the State committed State entrance to a unit agreement such as that same form and content, generally speaking?

A Yes.

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Q All right, sir. Let me ask you now to jump back to Exhibit 1 if you will. I notice we've got two notches in this Unit, ones in the northwest corner, and let's just discuss that one first, I guess that would be Section 4. Why didn't you include Section 4 in this Unit, Mr. Anderson?

A Section 4 was not included. We approached the working-interest owner and were advised at the time that we were forming the Unit that that acreage was committed to some drilling activity to be carried on to the northwest of this proposed Unit.

Q All right, sir, now let's jump on over to the east edge of our proposed unit and I see we've got a two-section notch there; I would guess it would be Sections 12 and 13, is that correct?

- A Yes.
- Q Why weren't Sections 12 and 13 included?
- A We had a similar story there. The workinginterest owners were committed to a well being drilled
 in Section 16, Township 24 South, Range 24 East, and at
 the time we were forming the Unit their acreage was
 committed and tied to that test.
 - Q When this Unit was discussed with both representa-

tives of the Federal Government and representatives of the State of New Mexico, were they aware of the configuration that this Unit would be in as reflected by Exhibit No. 1?

A Yes. Our first attempt at putting this Unit together did include Sections 12 and 13 and we had to go back to the State Land Commissioner and advise him of the change and also we advised the USGS that we attempted to secure commitment of those two sections initially and were unable to do so.

Q All right, sir. Have you approximately located the position of the proposed test well in any way on Exhibit 1?

A Yes, it is indicated by a red dot. Footage location for the initial test well is 500 feet from the west line, 900 feet from the north line, that's Section 11, Township 24 South, Range 23 East.

Q Now that's an unorthodox location is it not,
Mr. Anderson?

A Yes, it is.

Q Why is it located in that position instead of in an orthodox location?

A It's the topographic terrain; it's very rough

and rugged in that part of the country.

- Q Based on the rugged surface conditions, has the Commission already approved administratively, based on waivers from all off-setting interest owners, the unorthodox location of our proposed test well?
 - A Yes, they have.
- Q All right, sir. Do you have anything else you care to add at this time, Mr. Anderson?
 - A I don't believe so, I believe that would --
 - Q (Interrupting) What about time?
- A I was waiting for you to bring that up. We have leases in this Unit that expire April 21st, 1974, It seems that the State must have issued a lot of leases back in '64 around April the 21st.
 - Q Are you again urging the Examiner to --
- A (Interrupting) We urge them to give their usual expedient consideration.
- Q All right, sir, other than that do you have anything you would like to add to the record?
 - A No, I think that will be it.

MR. BUELL: If it please the Examiner that is all that we have of Mr. Anderson.

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GAIZUTIS-DIRECT

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RICHARD L. NYE, Court Reporter

i do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 5/6/, heard by me on 1924.

New Mexico Oil Conservation Commission