



OIL CONSERVATION DIVISION
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Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

'92 SEP 14 AM 8 52

September 9, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Rhodes Yates Unit
Well Nos. 14, 15, & 16
Rhodes Yates Seven Rivers Field
Lea County, New Mexico

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

Attention: Mr. Michael E. Stogner

Gentlemen:

An exception, by administrative approval, to Rule 104 F.I. is requested for Texaco Exploration and Production Inc.'s Rhodes Yates Unit Well Nos. 14, 15, & 16. Well No. 15 is on Federal minerals.

The wells must be drilled in these locations to ensure proper development on 20-acre spacing to recover additional reserves in an established waterflood. These reserves could not be recovered with the current 80-acre, 5-spot pattern.

Texaco is the only "affected" offset operator to these wells and we grant ourselves a waiver to this request.

Attached are Forms C-102, showing the location for each well and a lease plat showing the existing wells.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc: NMOCD, P. O. Box 1980, Hobbs, NM 88240
CC: BLM, P. O. Box 1778, Carlsbad, NM 88220

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

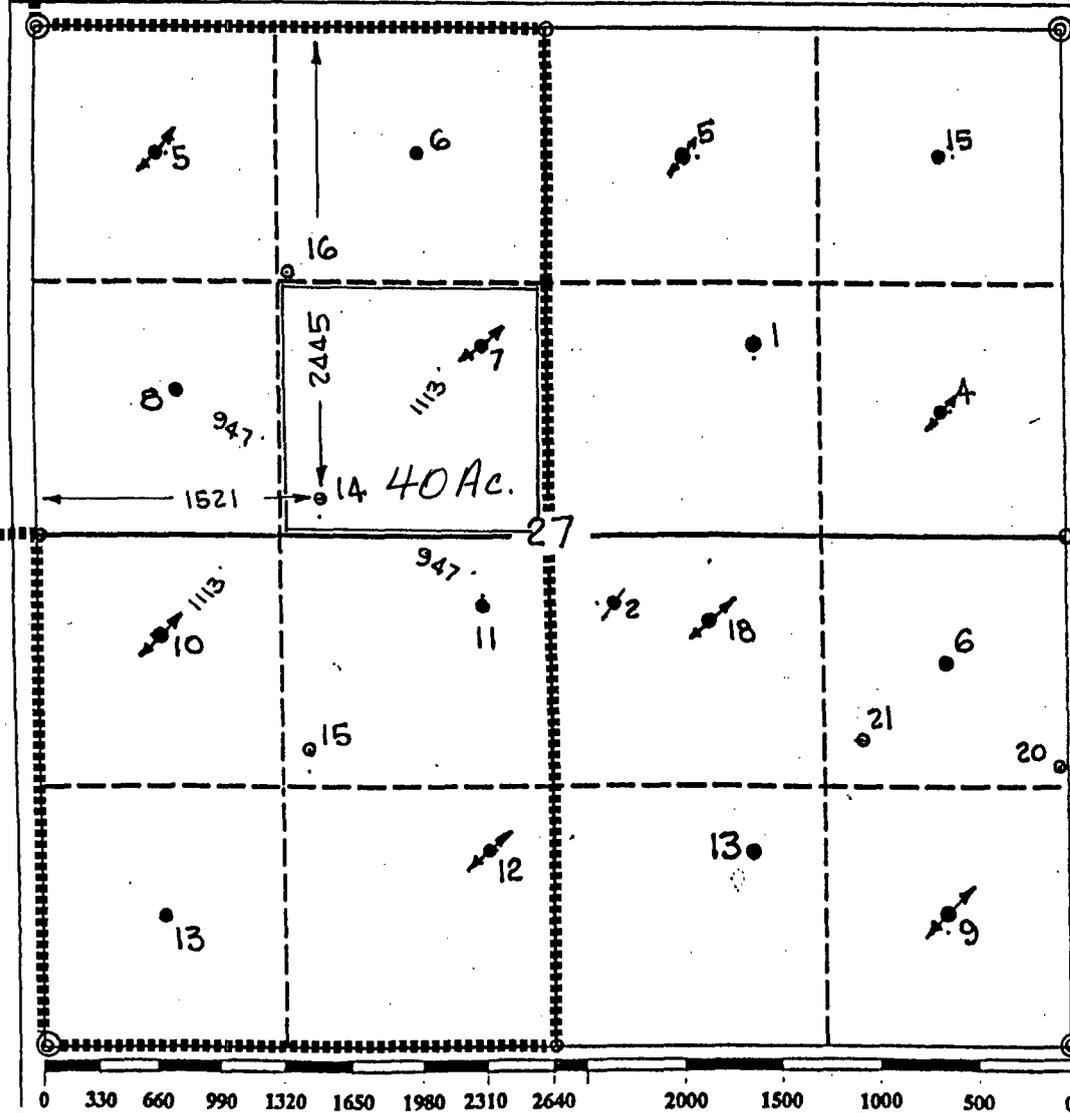
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

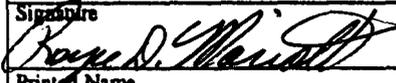
Operator TEXACO EXPLORATION AND PRODUCTION Inc.			Lease RHODES YATES UNIT		Well No. 14
Unit Letter F	Section 27	Township 26-South	Range 37-East	County Lea	
Actual Footage Location of Well: 2445 feet from the North line and 1521 feet from the West line					
Ground level Elev. 2976	Producing Formation Yates/7 RVRS		Pool Rhodes Yates Seven Rivers		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation Unitization
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



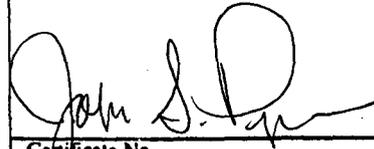
OPERATOR CERTIFICATION

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

Signature

 Printed Name
Royce D. Mariott
 Position
Division Surveyor
 Company
Texaco Expl. & Prod. Inc.
 Date
September 9, 1992

SURVEYOR CERTIFICATION

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

Date Surveyed
September 3, 1992
 Signature & Seal of Professional Surveyor

 Certificate No.
7254 **John S. Piper**
 Sheet of

Submit to Appropriate District Office
 State Lease - 4 copies
 Fee Lease - 3 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

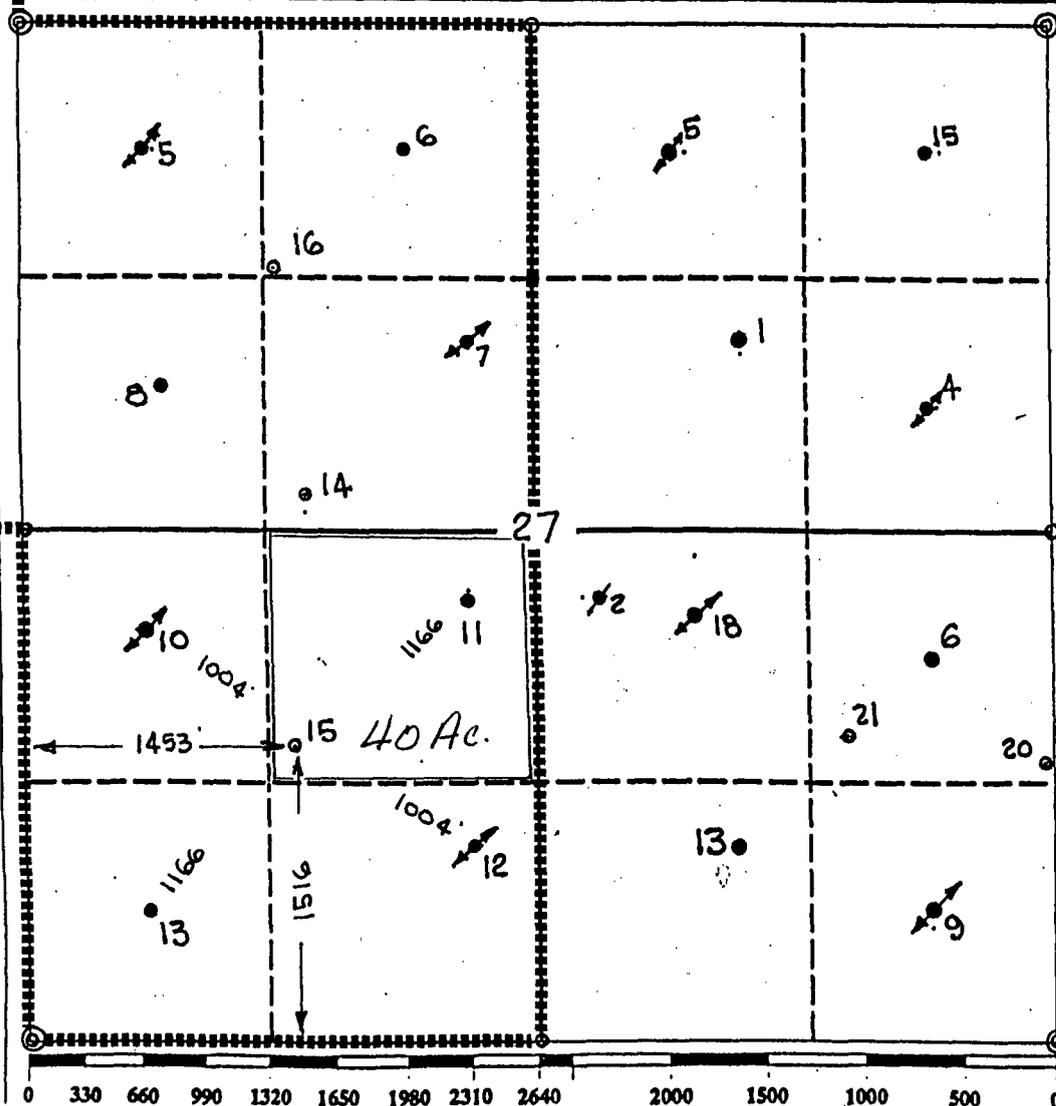
DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION Inc.			Lease RHODES YATES UNIT		Well No. 15
Unit Letter K	Section 27	Township 26-South	Range 37-East	County Lea	
Actual Footage Location of Well: 1516 feet from the South line and 1453 feet from the West line					
Ground level Elev. 2976	Producing Formation Yates/7 RVRS	Pool Rhodes Yates Seven Rivers		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation Unitization
 If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
 No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Royce D. Mariott
 Printed Name
Royce D. Mariott
 Position
Division Surveyor
 Company
Texaco Expl. & Prod. Inc.
 Date
September 9, 1992

SURVEYOR CERTIFICATION

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

Date Surveyed
September 3, 1992
 Signature & Seal of Professional Surveyor
John S. Piper
 Certificate No.
7254 **John S. Piper**
 Sheet of

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

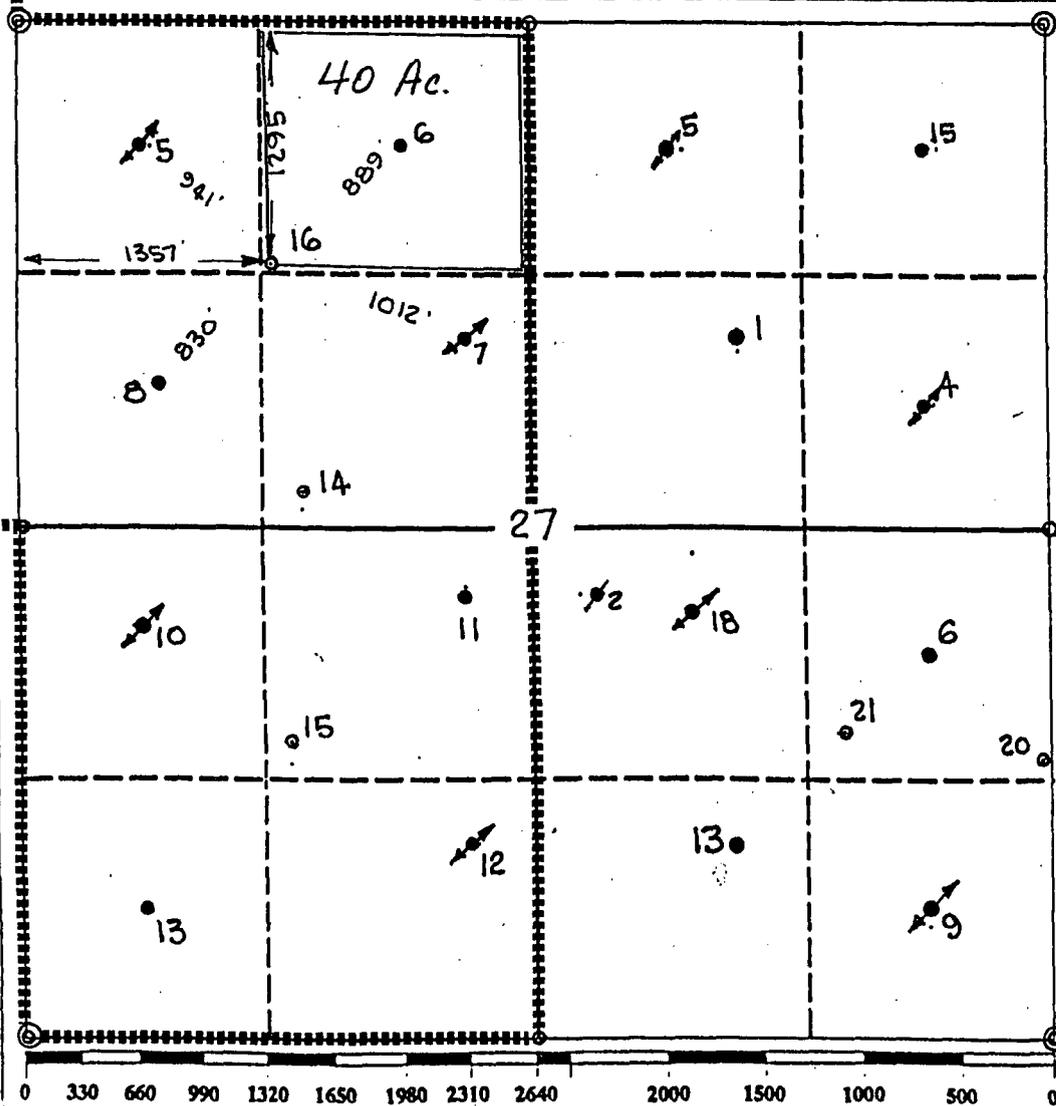
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPLORATION AND PRODUCTION Inc.			Lease RHODES YATES UNIT		Well No. 16
Unit Letter C	Section 27	Township 26-South	Range 37-East	County Lea	
Actual Footage Location of Well: 1295 feet from the North line and 1357 feet from the West line					
Ground Level Elev. 2975	Producing Formation Yates/7 RVRs		Pool Rhodes Yates Seven Rivers		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation Unitization

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

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



OPERATOR CERTIFICATION

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

Signature

 Printed Name
Royce D. Mariott
 Position
Division Surveyor
 Company
Texaco Expl. & Prod. Inc.
 Date
September 9, 1992

SURVEYOR CERTIFICATION

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

Date Surveyed
September 3, 1992
 Signature & Seal of Professional Surveyor

 Certificate No.
7254 **John S. Piper**
 Sheet of



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
RECEIVED
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

'92 SEP 18 AM 9:40

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC _____
DHC _____
NSL _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

14 - J 27-26-37
15 - K 27-26-37

I have examined the application for the:

Texas Expl. + Prod. Inc. Rhodes Yates Unit # 16 - C 27-26-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

BRONCO-WOLFCAMP POOL
(Tamarack Waterflood)
Lea County, New Mexico

Order No. R-4528, Authorizing Tamarack Petroleum Company, Inc., to Institute a Waterflood Project in the Bronco-Wolfcamp Pool, Lea County, New Mexico, May 17, 1973.

Application of Tamarack Petroleum Company, Inc. for a Waterflood Project, Lea County, New Mexico.

CASE NO. 4960
Order No. R-4528

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on May 9, 1973, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 17th day of May, 1973, 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, Tamarack Petroleum Company, Inc., seeks authority to institute a waterflood project in the Bronco Wolfcamp Unit Area, Bronco-Wolfcamp Pool, by the injection of water into the Wolfcamp formation through three injection wells in Section 35, Township 12 South, Range 38 East, NMPM, and Section 2, Township 13 South, Range 38 East, NMPM, Lea County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Tamarack Petroleum Company, Inc., is hereby authorized to institute a waterflood project in the Bronco Wolfcamp Unit Area, Bronco-Wolfcamp Pool, Lea County, New Mexico, by the injection of water into the Wolfcamp formation through the following-described wells:

TOWNSHIP 12 SOUTH, RANGE 38 EAST, NMPM
Texas Harris Well No. 3 - Unit M - Section 25

TOWNSHIP 13 SOUTH, RANGE 38 EAST, NMPM
Tamarack Lipscomb Well No. 1 - Unit C - Section 2
Tamarack Harris Well No. 1 - Unit J - Section 2

(2) That injection into each of the aforesaid wells shall be through 2-3/8-inch plastic-lined tubing set in a packer located as near as practicable to the uppermost casing perforation; that the casing-tubing annulus shall be loaded with an inert liquid and equipped with a pressure gauge at the surface.

(3) That the subject waterflood project is hereby designated the Tamarack Bronco Wolfcamp Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(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.

RHODES-YATES POOL
(Texaco Rhodes-Yates Waterflood)
Lea County, New Mexico

Order No. R-4521, Authorizing Texaco Inc. to Institute the Rhodes-Yates Waterflood Project in the Yates-Seven Rivers Formations in the Rhodes-Yates Pool, Lea County, New Mexico, May 17, 1973.

Application of Texaco Inc. for a Waterflood Project, Lea County, New Mexico.

CASE NO. 4936
Order No. R-4521

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on April 11, 1973, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 17th day of May, 1973, 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.

(RHODES-YATES (TEXACO RHODES-YATES WATERFLOOD) POOL - Cont'd.)

(2) That the applicant, Texaco Inc., seeks authority to institute a waterflood project in the Rhodes Yates Unit Area, Rhodes-Yates Pool, by the injection of water into the Yates-Seven Rivers formations through seven injection wells in Sections 21, 27, and 28, Township 26 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(4) That the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc., is hereby authorized to institute a waterflood project in the Rhodes Yates Unit Area, Rhodes-Yates Pool, by the injection of water into the Yates-Seven Rivers formations through the following-described seven wells in Township 26 South, Range 37 East, NMPM, Lea County, New Mexico:

Lease	Well No.	Location
State "JD" Unit	2	660' FNL and 660' FWL, Sec. 27
State "JD" Unit	4	650' FNL and 2310' FWL, Sec. 27
N. M. "AD" State	1	660' FNL and 1980' FWL, Sec. 28
Morris	2	1980' FNL and 660' FWL, Sec. 27
Morris	3	990' FSL and 2970' FEL, Sec. 27
State "A" 28	1	1980' FNL and 660' FEL, Sec. 28
H. G. Moberly "C" (NCT-2)	3	660' FSL and 660' FEL, Sec. 21

(2) That injection into each of said wells shall be through internally plastic-coated tubing set in a packer which shall be located as near as is practicable to the uppermost perforation, or in the case of open-hole completions, as near as is practicable to the casing-shoe; that the casing-tubing annulus of each injection well shall be loaded with an inert fluid and equipped with a pressure gauge at the surface.

(3) That the subject waterflood project is hereby designated the Texaco Rhodes-Yates Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

(4) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(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.

**EMPIRE-ABO POOL
(Pressure Maintenance)
Eddy County, New Mexico**

Order No. R-4549, Authorizing Atlantic Richfield Company to Institute a Pressure Maintenance Project in the Empire-Abo Pool, Eddy County, New Mexico, June 15, 1973, as Amended by Order No. R-4549-A, January 1, 1974, Order No. R-4549-B, April 30, 1974, Order No. R-4549-C, July 1, 1975, Order No. R-4549-D, November 17, 1975, Order No. R-4549-E, January 28, 1980, Order No. R-4549-F, April 20, 1984, and Order No. R-4549-G, November 7, 1990.

Order No. R-4549-A, January 1, 1974, extends the project area to include 200.13 acres and increases project allowable to 33,000 barrels per day.

Order No. R-4549-F, April 20, 1984, rescinds Rules 3, 4, 4(A), 5, 6, 7, 8, 9, 10, 11, 12, and 13, adopted by Order No. R-4549, and amended by Orders Nos. R-4549-B through R-4549-E, providing for well allowables based upon reservoir voidage; adopts new Rules 3, 4, 5, and 6; and, redesignates Rules 14A through 14D as Rules 7A through 7D and Rule 15 as Rule 8.

Application of Atlantic Richfield Company for a Pressure Maintenance Project, Eddy County, New Mexico.

CASE NO. 4953
Order No. R-4549

ORDER OF THE COMMISSION

BY THE COMMISSION: This cause came on for hearing at 9 a.m. on April 25, 1973, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 15th day of June, 1973, 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, Atlantic Richfield Company, seeks authority to institute a pressure maintenance project in the Empire-Abo Pool in its Empire-Abo Unit Area, Eddy County, New Mexico, by initially limiting reservoir voidage, and within one year by reinjection of approximately 70 per cent of the produced gas, as plant residue gas, into the Abo formation through eight wells in Section 36, Township 17 South, Range 27 East, Sections 3, 4, and 9, Township 18 South, Range 27 East, and Sections 26, 31, 32, and 33, Township 17 South, Range 28 East.

(3) That the applicant further seeks the designation of the project area and the promulgation of special rules and regulations governing said project, including provision for the assignment of special allowables to wells in the project area based on reservoir voidage factors, net gas-oil ratios, the shutting in or curtailment of less efficient wells, and allowable credit for gas injection wells.

(4) (As Amended by Order No. R-4549-A, January 1, 1974) That initially the project area should comprise only the following described area:

**EDDY COUNTY, NEW MEXICO
TOWNSHIP 17 SOUTH, RANGE 27 EAST, NMPM
Section 34: S/2 SE/4
Section 36: S/2**