Texaco USA
Producing Department
Midland Division

PO Box 3109 Midland TX 79702-3109 OIL CONSERVE ON DIVISION

RECEIVED

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September 9, 1992

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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

Submit to Appropriate District Mive 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

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

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

OIL CONSERVATION DIVISION

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

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

Unit Letter Section Township 26—South 37—East NMPM Lea Actual Footage Location of Well: 2445 feet from the North line and 1521 feet from the West line Ground level Elev. Producing Formation Pool Rhodes Yates Seven Rivers 40 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, 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 neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. © SECTIFICATION	cr Section Township 27 26 ctage Location of Well: 5 feet from the North real Elev. Producing Formation Yates/7 RVRS 1. Outline the acreage dedicated to the subject well 2. If more than one lease is dedicated to the well, of 3. If more than one lease of different ownership is unitization, force-pooling, etc.?	Range -South 37 line and 1521 Pool Rhodes Yat by colored pencil or hachure marks of	-East NMPM County feet from the West es Seven Rivers in the plat below.	Lea line Dedicated Acreage:
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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., Azzec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator					Lease		Well No.		
TEXACO EXPLORATION AND PRODUCTION Inc.			RHODES YATES UNIT				15		
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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 II P.O. Drawer DD, Artesia, NM 88210

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240

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

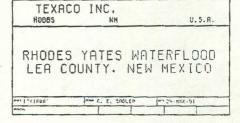
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVATION DIVISION RECEIVED HOBBS DISTRICT

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: $\# 14 - 5$	7 27-26-37
I have examined the application for the: $\#/\subset \mathcal{X}$	-2726-37
Gentlemen: I have examined the application for the: # 14 - 3 I have examined the application for the: # 15 - X Jeraco Expl + Prod Inc. Rhodes Yates Unit # 16 - C Operator Lease & Well No. Unit S-T-R and my recommendations are as follows:	27-26-37
and my recommendations are as follows:	
_0(
Yours very truly	
Jerry Sexton	

/ed

Supervisor, District 1

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.

A gray a

(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' FELSec. 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 out the curfice. 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.
- 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 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