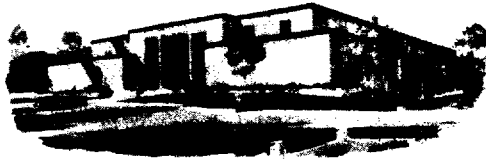


State of New Mexico

5/82

TELEPHONE
505-827-2748



Commissioner of Public Lands

April 15, 1974

ALEX J. ARMIJO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

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

Re: Proposed Rock Lake Unit
Lea County, New Mexico

ATTENTION: Mr. Jack D. Anderson

Gentlemen:

The Commissioner of Public Lands has this date approved your Rock Lake Unit Agreement, Lea County, New Mexico. The effective date to be as of April 15, 1974.

Approval of the unit is granted with the understanding that you are to file the ratification of Amerada Hess Corporation Committing Tracts 1 and 5 to the unit. In the event Amerada Hess Corporation should not commit its acreage please notify this office immediately. As stated in your letter Tracts 2 and 24 will not be committed to the unit.

Your Ninety (\$90.00) Dollar filing fee has been received.

Enclosed are five (5) Certificates of approval.

Very truly yours,

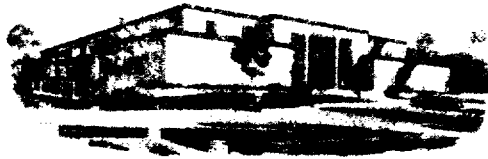
RAY D. GRAHAM, Director
Oil and Gas Department

AJA/REG/s
encls.
cc:

OCC-Santa Fe, New Mexico ✓

TELETYPE
502-827-2745

State of New Mexico



Commissioner of Public Lands

April 12, 1974

ALEX J. ARMILLO
COMMISSIONER

P. O. BOX 1148
SANTA FE, NEW MEXICO

Waste Reduction Company
200 Jefferson Building
P. O. Box 3082
Houston, Texas 77001

Re: Proposed Rock Lake Unit
San Juan County, New Mexico

ATTENTION: Mr. Jack H. Anderson

Dear Sir:

The Commissioner of Public Lands has this date approved your
Rock Lake Unit Agreement, San Juan County, New Mexico. The effective date
is as of April 12, 1974.

Approval of the unit is granted with the understanding that you
are to file the partition of Assets with the Commission consisting of
1 and 2 to the unit. In the event Assets have been deposited should not
complete its package please notify this office immediately. As stated in
your letter March 7 and 14 will not be committed to the unit.

Your twenty (\$20,000) dollar filing fee has been received.

Enclosed are five (5) partitions of approval.

Very truly yours,

RAY D. GUNAWAN, Director
Oil and Gas Department

ALA-1000
encl.
cc: Santa Fe, New Mexico



Amoco Production Company

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

A. R. Reed
Division Operations
Superintendent

June 15, 1976

File: RCJ-2255-LF

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

Mr. Phil R. Lucero (2)
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501
Attention: Mr. Ray D. Graham

Mr. Joe D. Ramey (2) ✓
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company respectfully submits this letter as a Report on the Status of Development in the Rock Lake Unit, Lea County, New Mexico.

The last Report on the Status of Development for the Rock Lake Unit was submitted by our letter of November 13, 1975, File: RCJ-4232-LF. Approval of this report was given in a letter dated November 21, 1975, by Mr. Lucero and in a letter dated November 18, 1975, by Mr. Ramey. Our letter stated we were testing various zones in the well and it should be possible for the Unit partners to make some decision relative to future plans for the Unit in the first half of 1976. This letter is intended to meet that requirement.

A large number of zones were tested in the No. 1 well from 10,872' in the Bone Springs up to 6470' in the Delaware, but all gave negative results. It is currently producing periodically from a small oil zone in the Bone Springs and is barely economic to produce. Meanwhile, we have determined that the necessary majority of working interest owners do not themselves wish to pursue any further development in the Unit.

JUN 16 1976

File: RCJ-2255-LF
Page 2
June 15, 1976

We have in turn found a "third party" who is presently evaluating the Unit for the purpose of further exploration. This party is Mr. Clayton Williams and Mr. Ken Griffin. If they conclude they wish to further develop the Unit, they will then need to make an agreement with the 11 working interest owners of the Unit and secure your approval to become Operator of the Unit.

In the event such is not consummated, we plan to recommend permanent abandonment of the well and termination of the Unit.

We respectfully request your approval of the above.

Yours very truly,

A handwritten signature in dark ink, appearing to read "A. F. Reed". The signature is fluid and cursive, with the first letters of each word being capitalized and prominent.

JVM:fjc
1/855
Attachment

cc: All Working Interest Owners
V. E. Staley - Levelland

Rock Lake Unit

WORKING INTEREST OWNERS

Mesa Petroleum Co.
Attn: Mr. Bob Northington
904 Gihls Tower West
Midland, TX 79701

Maralo, Inc.
2200 West Loop South - Suite 130
Houston, TX 77027

Erma Lowe
c/o Mr. A. W. Moursund
P. O. Box 1
Round Mountain, TX 78663

Gulf Oil Corporation
Attn: Mr. Joe Mathers
P. O. Box 1150
Midland, TX 79701

Amerada-Hess Corporation
Attn: Mr. Charles Stanford
P. O. Box 2040
Tulsa, OK 74102

J. C. Barnes
P. O. Box 505
Midland, TX 79701

Aztex Oil & Gas Company
Attn: Mr. Kenneth Swanson
2000 First National Bank Building
Dallas, TX 75202

HNG Oil Company
P. O. Box 767
Midland, TX 79701

BTA Oil Producers
Attn: Mr. Barry Beal
104 South Pecos
Midland, TX 79701

Royce F. Lawson, Jr.
P. O. Box 1463
Midland, TX 79701



PHIL R. LUCERO
COMMISSIONER

State of New Mexico

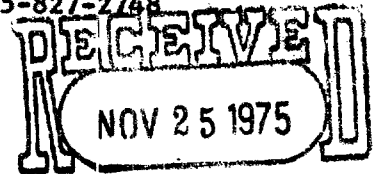


Commissioner of Public Lands

November 21, 1975

5180
TELEPHONE

505-827-2748



OIL CONSERVATION COMM.

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

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

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

ATTENTION: Mr. J. C. Burton

Gentlemen:

We are in receipt of your Status of Development report for the Rock Lake Unit, Lea County, New Mexico.

The Commissioner of Public Lands has this date approved the report where you intend to test a number of zones ranging in depth from 10,872' in the Bone Springs up to 6,470' in the Delaware. This approval is given with the understanding that if all these zones are dry you will consider disposition of the well and Unit Agreement.

Please keep this office informed on the progress of the well.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s
encl. 1 copy of the plan

cc: OCC-Santa Fe, New Mexico ✓

State of Nevada



Commissioner of Public Lands
State of Nevada

OFFICE OF THE
COMMISSIONER

Department of the Interior
Bureau of Land Management
Washington, D. C.

Dear Sir:

Reference is made to your letter of the 10th inst.

relative to

the proposed sale of the land described in the foregoing letter.

The Department has considered the matter and has decided to approve the sale of the land described in the foregoing letter, subject to the approval of the Secretary of the Interior.

Very respectfully,
Commissioner of Public Lands

Very truly yours,
Commissioner of Public Lands

Enclosed for the Secretary of the Interior are two copies of the report of the Surveyor General of Nevada, relative to the proposed sale of the land described in the foregoing letter.

Very truly yours,
Commissioner of Public Lands

Very truly yours,
Commissioner of Public Lands

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

5180

November 18, 1975

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

Attention: Mr. J. C. Burton

Re: Status of Development Report,
Rock Lake Unit, Lea County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation Commission has this date approved the Status of Development Report for the period November 23, 1975 to November 23, 1976, for the Rock Lake Unit, Lea County, New Mexico, subject to like approval by the Commissioner of Public Lands of the State of New Mexico.

One approved copy of the report is returned herewith.

Very truly yours,

JOE D. RAMEY
Secretary-Director

JDR/JEK/og

cc: Commissioner of Public Lands
Santa Fe, New Mexico

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 13, 1972

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

Attention: Mr. J. D. Norton

Re: Status of Development Report,
Pool Lake Unit, Lea County,
New Mexico.

Gentlemen:

This is to advise that the New Mexico Oil Conservation
Commission has this day approved the Status of
Development Report for the period November 13, 1972
to November 13, 1976, for the Pool Lake Unit, Lea
County, New Mexico, subject to like approval by the
Commissioner of Public Lands of the State of New Mexico.

One approved copy of the report is returned herewith.

Very truly yours,

JOE L. SAWYER
Secretary-Director

JDS/BRK:pd

cc: Commissioner of Public Lands
Santa Fe, New Mexico



Amoco Production Company

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

J. C. Burton
Division Operations
Superintendent

November 13, 1975

File: RCJ-4232-LF

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

Mr. Phil R. Lucero (2)
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501
Attention: Mr. Ray D. Graham

Mr. J. E. Kapteina (2)
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company respectfully submits this letter as a Report on the Status of Development in the Rock Lake Unit, Lea County, New Mexico. This report is required under Section 9, page 7 of the Rock Lake Unit Agreement dated January 1, 1974, which was approved by the New Mexico Oil Conservation Commission by Order No. R4747 dated March 15, 1974, and by the Commissioner of Public Lands, State of New Mexico with a Certificate of Approval dated April 15, 1974.

The last Report on the Status of Development for the Rock Lake Unit was submitted by our letter of July 9, 1975, File: RCJ-2121-LF. Approval of this report was given in a letter dated July 15, 1975, from Mr. Ray D. Graham and a letter dated July 11, 1975, from Mr. J. E. Kapteina. The date for the next such report was set at November 23, 1975. This letter is intended to meet that requirement.

The Rock Lake Unit Well No. 1 was completed as a Wolfcamp oil well on November 23, 1974, pumping 53 barrels oil and 61 barrels water per day. The well was drilled to a total depth of 14,125' and tested the Morrow with no commercial results. A plugback was then made to the Wolfcamp which tested up to 22-1/2 barrels oil per hour before the well was completed. Cost of the well and associated equipment was about \$950,000.

File: RCJ-4232-LF
Page 2
November 13, 1975

It was hoped that the well would clean up and produce commercially from the Wolfcamp but such did not occur. After consultation with the various partners a workover was commenced on the well on July 11, 1975. It was first acidized with 5000 gallons acid and a larger approximately \$30,000 pumping unit installed. The well was then placed on test but after an adequate length of time it was concluded that the Wolfcamp could not be made commercially productive.

The various partners were again consulted and decision reached to test a number of zones ranging in depth from 10,872' in the Bone Springs up to 6,470' in the Delaware. This work commenced October 14, 1975, and is still in progress. The zones tested to date have been dry but several remain to be tested. If we do develop production the well will be tested to determine if it is commercial. If all zones are dry, we and the various Unit partners will consider further disposition of the well and Unit and make recommendations accordingly. It should be possible to come to some decision in the first half of 1976.

Your favorable response to our plans will be appreciated.

Yours very truly,

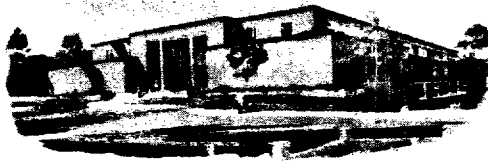
J. C. Burton
JCB

JVM/jt
4/4082

Approved *November 18, 1975*
[Signature]
Secretary-Director
NEW MEXICO OIL CONSERVATION COMMISSION



State of New Mexico



Commissioner of Public Lands

July 15, 1975

PHIL R. LUCERO
COMMISSIONER

TELEPHONE
505-827-2848



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

Re: Status of Development Report
Rock Lake Unit
Los County, New Mexico

ATTENTION: Mr. J. C. Burton

Gentlemen:

The Commissioner of Public Lands has this date approved your Status of Development Report for the Rock Lake Unit, Los County, New Mexico, as required under Section 9, page 7 of the Unit Agreement.

This report covers the period from November 23, 1974, to November 23, 1975 at which time your next report will be due.

Enclosed is one approved copy for your files.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. CHAMAM, Director
Oil and Gas Division

PR1/RSG/e
encl.
cc:

OCC-Santa Fe, New Mexico ✓

State of New Mexico



Commissioner of Public Lands

July 12, 1972

PHIL R. LUCERO
COMMISSIONER

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

James Production Company
200 Lafayette Building
P. O. Box 1001
Houston, Texas 77001

has been of development report
back take into
the County, New Mexico

ATTENTION: Mr. J. C. Harlow

Enclosed

The Commissioner of Public Lands has this date approved your
Statement of Development Report for the back take unit, New Mexico,
New Mexico, as required under Section 2, page 1 of the said report.

This report covers the period from November 15, 1971, to
November 11, 1972 at which time your next report will be due.

Enclosed is one approved copy for your files.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
SHEILA G. GILMAN, Director
Oil and Gas Division

PHIL R. LUCERO
COMMISSIONER
Oil and Gas Division

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 11, 1975

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

Attention: Mr. J. C. Burton

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

Gentlemen:

Receipt of your Report on the Status of Development of the Rock Lake Unit dated July 9, 1975, in compliance with Section 9 of the Unit Agreement, is hereby acknowledged.

Very truly yours,

J. E. KAPTEINA
Petroleum Engineer

JEK/og

cc: Commissioner of Public Lands - Santa Fe
Attention: Mr. Ray D. Graham

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

July 11, 1972

Amoco Production Company
P. O. Box 3692
Houston, Texas 77001

Attention: Mr. J. C. Horton

Re: Status of Development Report
Rock Lake Unit
Dea County, New Mexico

Gentlemen:

Receipt of your report on the status of develop-
ment of the Rock Lake Unit dated July 6, 1972, in
compliance with Section 9 of the Unit Agreement, is
herby acknowledged.

Very truly yours,

T. F. KAPTEINA
Petroleum Engineer

TEK/ed

cc: Commissioner of Public Lands - Santa Fe
Attention: Mr. Ray D. Graham



Amoco Production Company

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

J. C. Burton
Assistant Division
Production Manager

July 9, 1975

File: RCJ-2121-LF

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

Mr. Phil R. Lucero (2)
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501
Attention: Mr. Ray D. Graham

Mr. James E. Kapteina (2)
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company respectfully submits this letter as a Report on the Status of Development in the Rock Lake Unit, Lea County, New Mexico. This report is required under Section 9, page 7 of the Rock Lake Unit Agreement dated January 1, 1974, which was approved by the New Mexico Oil Conservation Commission by Order No. R4747 dated March 15, 1974, and by the Commissioner of Public Lands, State of New Mexico with a Certificate of Approval dated April 15, 1974.

The Rock Lake Unit Well No. 1 was spudded April 12, 1974, at a location 1980' from the south line and 660' from the west line of Section 28, Township 22 South, Range 35 East, Lea County, New Mexico. It reached total depth of 14,125' on August 22, 1974. Hole problems were encountered while drilling and a 7-5/8" protection string was set and cemented at 11,535' on July 5, 1974. Drilling continued to 13,940' in the Morrow where a drilling break was encountered and the well started unloading mud. Mud weight was increased and drilling continued to total depth. After some fishing and hole problems, a 5-1/2" liner was set and cemented from 11252' to 14050' on September 4, 1974. Just before setting the liner, a drill stem test was taken of two Wolfcamp zones at about 11,700'. After the testing tool was open some two hours, the well flowed water blanket and drilling mud. Recovery later from the drill pipe was 3700' of drilling mud, 700' of water and 3800' of oil.

Mr. Phil R. Lucero
Mr. James E. Kapteina
Page 2
July 9, 1975

After setting the liner, a 10' Morrow zone from 13902' to 13912' was tested for all water and squeezed off. After experiencing high flood water and equipment problems, the Wolfcamp was perforated on October 8, 1974, from 11692' to 11703' and 11,728' to 11,743'. The upper zone averages 13% porosity and the lower zone averages 16% porosity. These zones were acidized immediately with 2,000 gallons acid at a minimum pressure of 2600 psi and average injection rate of only three barrels per minute. Immediately after the acid job, the well flowed 45 barrels oil and 25 barrels load water in two hours. The well then tested erratically, flowing and swabbing oil and load water over the next four weeks when it was decided to install a pumping unit. This unit was installed and the well finally completed on November 23, 1974, pumping 53 barrels oil and 61 barrels water per day. Continued pumping did not help oil productivity; however, water production did cease during the first month.

We have now concluded that the well may not have been adequately stimulated and/or cleaned up during initial testing. Fishing and hole problems exposed the two high porosity, permeable Wolfcamp zones at about 11,700' to heavy drilling mud from July 9 to September 4 or for about 57 days. Volumetrically recoverable Wolfcamp reserves of 176,000 barrels oil can be calculated for 80 acre drainage for the well; however, the reservoir could be of limited areal extent. In any event, we are proceeding with a larger acid treatment of the Wolfcamp and some improved equipment installation. There are also three up-hole zones in the Bone Springs and two in the Delaware which merit testing at some date.

The next Status of Development Report will be submitted by November 23, 1975.

Yours very truly,



JVM/mct
3/243



J. C. Burton
Assistant Division
Production Manager

Amoco Production Company

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

7/11/1975
OIL CONSERVATION COMM.
Santa Fe

July 9, 1975

File: RCJ-2121-LF

Re: Status of Development Report
Rock Lake Unit
Lea County, New Mexico

Mr. Phil R. Lucero (2)
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501
Attention: Mr. Ray D. Graham

Mr. James E. Kapteina (2)
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company respectfully submits this letter as a Report on the Status of Development in the Rock Lake Unit, Lea County, New Mexico. This report is required under Section 9, page 7 of the Rock Lake Unit Agreement dated January 1, 1974, which was approved by the New Mexico Oil Conservation Commission by Order No. R4747 dated March 15, 1974, and by the Commissioner of Public Lands, State of New Mexico with a Certificate of Approval dated April 15, 1974.

The Rock Lake Unit Well No. 1 was spudded April 12, 1974, at a location 1980' from the south line and 660' from the west line of Section 28, Township 22 South, Range 35 East, Lea County, New Mexico. It reached total depth of 14,125' on August 22, 1974. Hole problems were encountered while drilling and a 7-5/8" protection string was set and cemented at 11,535' on July 5, 1974. Drilling continued to 13,940' in the Morrow where a drilling break was encountered and the well started unloading mud. Mud weight was increased and drilling continued to total depth. After some fishing and hole problems, a 5-1/2" liner was set and cemented from 11252' to 14050' on September 4, 1974. Just before setting the liner, a drill stem test was taken of two Wolfcamp zones at about 11,700'. After the testing tool was open some two hours, the well flowed water blanket and drilling mud. Recovery later from the drill pipe was 3700' of drilling mud, 700' of water and 3800' of oil.

Mr. Phil R. Lucero
Mr. James E. Kapteina
Page 2
July 9, 1975

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We have now concluded that the well may not have been adequately stimulated and/or cleaned up during initial testing. Fishing and hole problems exposed the two high porosity, permeable Wolfcamp zones at about 11,700' to heavy drilling mud from July 9 to September 4 or for about 57 days. Volumetrically recoverable Wolfcamp reserves of 176,000 barrels oil can be calculated for 80 acre drainage for the well; however, the reservoir could be of limited areal extent. In any event, we are proceeding with a larger acid treatment of the Wolfcamp and some improved equipment installation. There are also three up-hole zones in the Bone Springs and two in the Delaware which merit testing at some date.

The next Status of Development Report will be submitted by November 23, 1975.

Yours very truly,



JVM/mct
3/243

ATWOOD, MALONE, MANN & COOTER
LAWYERS

JEFF D. ATWOOD [1883-1960]

P. O. DRAWER 700
SECURITY NATIONAL BANK BUILDING
ROSWELL, NEW MEXICO 88201
[505] 622-6221

CHARLES F. MALONE
RUSSELL D. MANN
PAUL A. COOTER
BOB F. TURNER
ROBERT A. JOHNSON
JOHN W. BASSETT
ROBERT E. SABIN
RUFUS E. THOMPSON
RALPH D. SHAMAS

March 8, 1974

Mr. A. L. Porter, Jr.
Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico 87501

RE: Examiner Hearing March 13, 1974
Case Nos. 5180 and 5181

Dear Mr. Porter:

Please file the enclosed Entry of Appearances in each of the cases cited above. Thank you very much, and with best regards, I am,

Very truly yours,



Charles F. Malone

CFM:sgs
Enclosures

cc: Guy Buell, Esquire

BEFORE THE OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

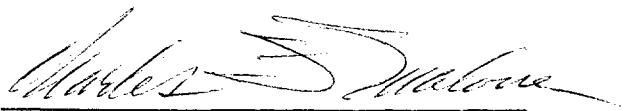
IN THE MATTER OF THE APPLICATION)
OF AMOCO PRODUCTION COMPANY, FOR)
APPROVAL OF ROCK LAKE UNIT)
AGREEMENT, LEA COUNTY, NEW MEXICO.)

No. 5180

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

By 
Attorneys for Amoco Production
Company
P. O. Drawer 700
Roswell, New Mexico 88201

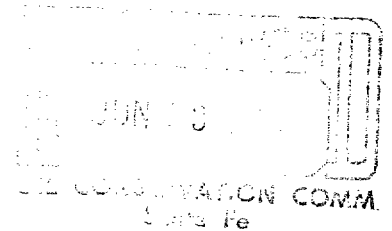


5180

Amoco Production Company

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

June 7, 1974



Re: EA-47147
Rock Lake Unit
Lea County, New Mexico

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

Gentlemen:

In accordance with the request contained in your Case No. 5180, Order No. R-4747 dated March 15, 1974, we enclose one copy of Unit Agreement for the captioned unit which has been executed by Amoco Production Company. We also enclose one copy of ratifications executed by the other working interest owners who committed their working interest to the unit area. We also wish to advise that the captioned unit was effective as of April 15, 1974 and we enclose a copy of the Certificate of Approval from the Commissioner of Public Lands, State of New Mexico.

Yours very truly,

Jack D. Anderson
Land Department

JDA/jlm
5/473

Enclosures

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"
ROCK LAKE UNIT AREA
LEA 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 Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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, Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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 Rock Lake Unit Area; and

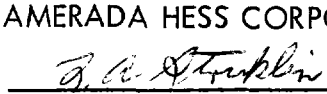
WHEREAS, the undersigned represents that it is the owner of a royalty, overriding royalty or production payment interest, or of a working interest, or both, in one or more of the tracts identified by said Exhibits.

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:

Assistant Secretary

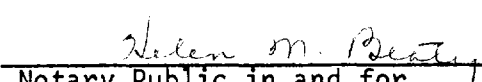
AMERADA HESS CORPORATION

Vice President

DR
RCS
JB
WAC
YMB
FW

STATE OF OKLAHOMA |
COUNTY OF TULSA |

The foregoing instrument was acknowledged before me this 25th day of April, 1974, by L. A. Stricklin, Vice President of Amerada Hess Corporation.

My Commission expires:
My Commission Expires NOV 16, 1976


Notary Public in and for
Tulsa County, Oklahoma

STATE OF _____ |
COUNTY OF _____ |

The foregoing instrument was acknowledged before me this _____ day of _____, 1974, by _____ of _____.

My Commission expires:

Notary Public in and for

County, _____

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"
ROCK LAKE UNIT AREA
LEA 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 Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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, Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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 Rock Lake 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.

in 13 on only
Asst. Secretary

GULF OIL CORPORATION

BY: J. A. Heid

Attorney in Fact

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 1974, by _____.

My Commission expires:

Notary Public in and for
____ County, _____

STATE OF TEXAS

COUNTY OF MIDLAND

March The foregoing instrument was acknowledged before me this 1st day of March, 1974, by J. A. Heid,
Attorney in Fact of GULF OIL CORPORATION.

a Pennsylvania Corporation, on behalf of said corporation.
My Commission expires:

E. L. Orrell
Notary Public in and for
Midland County, Texas

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"
ROCK LAKE UNIT AREA
LEA 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 Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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, Rock Lake Unit Area, County of Lea, State of New Mexico", dated January 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 Rock Lake 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 of 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. It is provided, however, that the undersigned Royce E. Lawson, Jr. has been advised that the working interest owner in Tract No. 24, as the same is identified in said exhibits to the Unit Agreement, has refused to commit its working interest to the Unit Agreement and Unit Operating Agreement. Consequently, Royce E. Lawson, Jr. does not intend to commit his overriding royalty interest in said Tract No. 24 to the Unit Agreement. Nothing contained herein or in the Unit Agreement shall be construed as a commitment of the overriding royalty interest of the undersigned in said Tract 24, notwithstanding the commitment to the Unit Agreement and Unit Operating Agreement of other interests of the undersigned in other tracts as described in said exhibits.

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

Royce E. Lawson, Jr.
June A. Lawson

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

The foregoing instrument was acknowledged before me this 12 day of February, 1974, by Royce E. Lawson, Jr. and wife, June Lawson.

My Commission Expires: June 1, 1975

Notary Public in and for Midland
County, Texas

STATE OF _____)
) ss.
COUNTY OF _____)

RITA E. SANDERSON
Notary Public in and for
Midland County, Texas
My Commission Expires June 1, 1975

The foregoing instrument was acknowledged before me this _____ day of _____, 1974, by _____,
_____ of _____.

My Commission Expires: _____
Notary Public in and for _____
County, _____

Unit Name ROCK LAKE UNIT (EXPLORATORY)
Operator Amoco Production Company
County Lea

DATE	OCC CASE NO.	5180	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL	MINIMUM -FEE	SEGREGATION CLAUSE	TERM
APPROVED	OCC ORDER NO.	R-4747							
Commissioner	Commission		4-15-74	5,760.00	5,680.00	-0-	80.00	Yes	5 yrs.
4-15-74									

UNIT AREA

TOWNSHIP 22 SOUTH, RANGE 35 EAST, NMPM
Sections 20 through 22: All
Sections 27 through 29: All
Sections 32 through 34: All

TERMINATED
EM: 3-30-76

Unit Name ROCK LAKE UNIT (EXPLORATORY)
Operator AMOCO PRODUCTION COMPANY
County IEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED		ACRES	ACREAGE		LESSEE
							DATE			NOT RATIFIED		
1	B-1040-1	C.S.	29	22S	35E	NW/4	4-24-74		160.00			Amerada-Hess Corp.
2	B-1651-4	R.R.	34	22S	35E	NW/4SW/4	<u>NOT COMMITTED</u>			40.00		Getty Oil Company
3	B-11644-10	C.S.	28	22S	35E	E/2SE/4	2-7-74		80.00			Amoco Production Co.
4	E-268-4	C.S.	22	22S	35E	N/2NW/4	3-29-74		80.00			Cities Service Oil Co.
5	E-1625-1	C.S.	22 27	22S 22S	35E 35E	S/2NW/4 SW/4, SW/4NE/4	4-24-74		280.00			Amerada-Hess Corporati
6	K-4055	C.S.	28	22S	35E	N/2	2-7-74		320.00			Amoco Production Co.
7	K-4056	C.S.	33	22S	35E	A11	2-7-74		640.00			Amoco Production Co.
8	K-4115	C.S.	21	22S	35E	N/2	4-5-74		320.00			Allied Chemical Corp.
9	K-4414	C.S.	29	22S	35E	NE/4	3-1-74		160.00			Gulf Oil Corporation
10	K-4415	C.S.	34	22S	35E	SE/4SW/4	3-1-74		40.00			Gulf Oil Corporation
11	K-4608	C.S.	34	22S	35E	E/2	3-1-74		320.00			Ralph Lowe Est.
12	K-4621	C.S.	22 27	22S 22S	35E 35E	SE/4 SE/4	3-1-74		320.00			Gulf Oil Corporation
13	K-4681	C.S.	32	22S	35E	NE/4	3-1-74		160.00			Gulf Oil Corporation
14	K-5032	C.S.	22 27	22S 22S	35E 35E	SW/4 NW/4, N/2NE/4, SE/4NE/4	3-1-74		440.00			Ralph Lowe Estate
15	L-1542-1	C.S.	34	22S	35E	W/2NW/4, SE/4NW/4, NE/4SW/4, SW/4SW/4	3-20-74		200.00			
16	L-1641	C.S.	20	22S	35E	NW/4, W/2NE/4, SE/4NE/4	3-26-74		280.00			Mesa Petroleum Company

TERMINATED
3-26-76

Unit Name ROCK LAKE UNIT (EXPLORATORY)
Operator AMOCO PRODUCTION COMPANY
County LEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	RATIFIED DATE	ACRES	ACREAGE NOT RATIFIED	LESSEE
17	L-1926	C.S.	28	22S	35E	SW/4, W/2SE/4	2-7-74	240.00		Amoco Production Co.
18	L-1946	C.S.	32	22S	35E	W/2, SE/4	3-26-74	480.00		Mesa Petroleum Company
19.	L-3383-1	C.S.	29	22S	35E	S/2	3-20-74	320.00		J. C. Barnes
20.	L-5469	C.S.	20	22S	35E	S/2	3-26-74	320.00		Mesa Petroleum Company
21	LG-0358	C.S.	22	22S	35E	NE/4	3-22-74	160.00		BTA Oil Producers
22	LG-0484	C.S.	21	22S	35E	S/2	3-20-74	320.00		Aztec Oil and Gas Co.

TERMINATED
3-20-76



A. R. Reed
Division Operations
Superintendent

August 12, 1976

File: REO-3210-LF

Re: Termination of Rock Lake Unit
Lea County, New Mexico

Mr. Phil R. Lucero (2)
Commissioner of Public Lands
State of New Mexico
P. O. Box 1148
Santa Fe, NM 87501
Attention: Mr. Ray D. Graham

Mr. Joe D. Ramey (2)
New Mexico Oil Conservation
Commission
P. O. Box 2088
Santa Fe, NM 87501

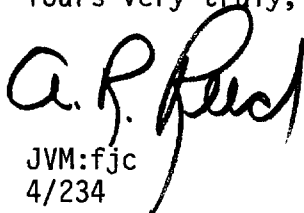
Gentlemen:

Please refer to our letter of June 15, 1976, File: RCJ-2255-LF, which advised that a "third party" was evaluating possible further development in the Rock Lake Unit. This party has now advised that they do not desire to further pursue this possibility.

Our above referenced letter also noted that the majority of working interest owners of the Unit do not themselves wish to perform further development in the Unit.

We, therefore, plan to permanently abandon the Rock Lake Unit Well No. 1 and recommend that the Rock Lake Unit be terminated.

Yours very truly,


JVM:fjc
4/234

cc: All Working Interest Owners
J. A. Atkinson
V. E. Staley - Levelland

RECEIVED
AUG 20 8 53 AM '76
STATE LAND OFFICE
SANTA FE, N.M.

Amoco Production Company

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

5180

Rock Lake Unit
WORKING INTEREST OWNERS

RECEIVED
AUG 20 8 53 AM '76
STATE LAND OFFICE
SANTA FE, N. M.

Mesa Petroleum Co.
Attn: Mr. Bob Northington
904 Gihls Tower West
Midland, TX 79701

Maralo, Inc.
2200 West Loop South - Suite 130
Houston, TX 77027

Erma Lowe
c/o Mr. A. W. Moursund
P. O. Box 1
Round Mountain, TX 78663

Gulf Oil Corporation
Attn: Mr. Joe Mathers
P. O. Box 1150
Midland, TX 79701

Amerada-Hess Corporation
Attn: Mr. Charles Stanford
P. O. Box 2040
Tulsa, OK 74102

J. C. Barnes
P. O. Box 505
Midland, TX 79701

Aztex Oil & Gas Company
Attn: Mr. Kenneth Swanson
2000 First National Bank Building
Dallas, TX 75202

HNG Oil Company
P. O. Box 767
Midland, TX 79701

BTA Oil Producers
Attn: Mr. Barry Beal
104 South Pecos
Midland, TX 79701

Royce E. Lawson, Jr.
P. O. Box 1463
Midland, TX 79701



OIL CONSERVATION COMMISSION

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

March 18, 1974

I. R. TRUJILLO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

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

Mr. Guy Buell
Amoco Production Company
Post Office Box 3092
Houston, Texas 77001

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

ALP/ir

Copy of order also sent to:

Hobbs OCC x
Artesia OCC R-4748
Aztec OCC

Other Unit Division - State Land Office