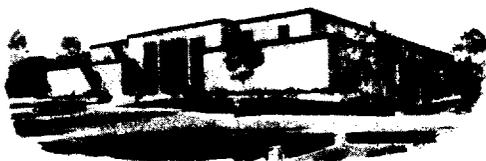


State of New Mexico

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,

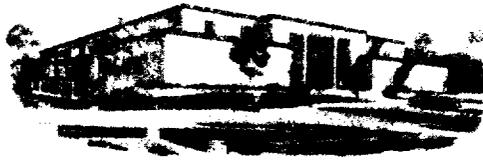
RAY D. GRAHAM, Director  
Oil and Gas Department

AJA/RDG/s  
encs.  
cc:

OCC-Santa Fe, New Mexico ✓

TELEPHONE  
202-827-2242

State of New Mexico



Commissioner of Public Lands

April 12, 1974

ALEX J. ARMILLO  
COMMISSIONER

P. O. BOX 1148  
SANTA FE, NEW MEXICO

Acacia Petroleum Company  
200 Jefferson Building  
P. O. Box 3082  
Houston, Texas 77001

Re: Proposed Pool Sale Unit  
San Juan, New Mexico

ATTENTION: Mr. Jack Anderson

Gentlemen:

The Commission of Public Lands has this date approved your Pool Sale Unit Agreement, San Juan, New Mexico. The effective date to be as of April 12, 1974.

Approval of the unit is granted with the understanding that you are to file the partition of Acacia's Pool Sale Unit with the San Juan County Clerk's Office immediately. As stated in your letter March 7 and 8 will not be committed to the unit.

Your check for \$250,000.00 has been received.

Enclosed are five (5) partitions of approval.

Very truly yours,

RAY D. GRAHAM, Director  
Oil and Gas Department

ALA:KOR  
encl.  
encl.

Oil-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.

RCJ 10 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 cursive script, appearing to read "A. F. Reed".

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

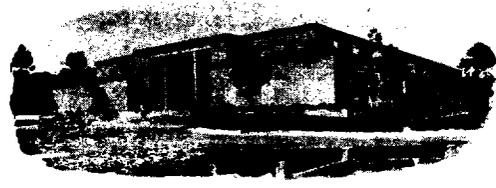
Royce F. Lawson, Jr.  
P. O. Box 1463  
Midland, TX 79701

5180



PHIL R. LUCERO  
COMMISSIONER

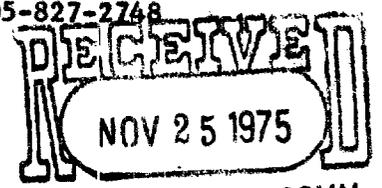
State of New Mexico



Commissioner of Public Lands  
November 21, 1975

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 Bona 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,

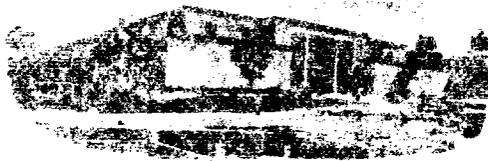
PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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 New Mexico



Commissioner of Public Lands

OFFICE OF THE COMMISSIONER

STATE OF NEW MEXICO

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 acquisition of certain public lands in the

County of Santa Fe, New Mexico, and the fact that the

same are now being offered for sale by public auction

at the following place:

At the Court House  
Santa Fe, New Mexico

on the 10th day of

at 10 o'clock

of the year 1914

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 Pool Lake Unit, Lea  
County, New Mexico, for the period November 13, 1972  
to November 13, 1976, for the Pool Lake Unit, Lea  
County, New Mexico, subject to the 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. SANDY  
Secretary-Director

JDS:BER

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,

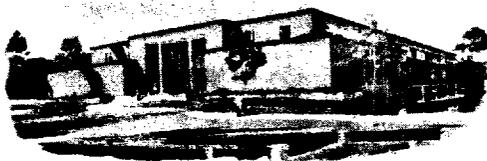
*J. C. Burtoz*  
*JCB*

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



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. G. 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

FRL/RSG/e  
encl.  
cc:

OCC-Santa Fe, New Mexico ✓

TELEPHONE  
802-22-2248

State of New Mexico



Commissioner of Public Lands

July 22, 1972

PHIL R. LUCERO  
COMMISSIONER

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

Alamos Production Company  
200 Lafayette Building  
P. O. Box 1001  
Roswell, Texas 75069

has been of development report  
back take this  
Las Cruces, New Mexico

ATTENTION: Mr. J. C. Lucero

Commissioner

The Commissioner of Public Lands has this date approved your  
State of Development Report for the back take unit, Las Cruces,  
New Mexico, as required under Section 2, page 1 of the said agree-  
ment.

This report covers the period from November 15, 1971, to  
November 15, 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. GARDNER, Director  
Oil and Gas Division

PHIL R. LUCERO  
Commissioner

Enclosed is one approved copy for your files.

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 2082  
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

JEK:pd

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

RECEIVED  
JUL 11 1975  
OIL CONSERVATION COMM.  
SANTA FE

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  
7/9/75  
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.

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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

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

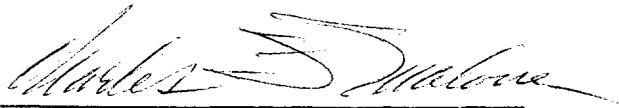
IN THE MATTER OF THE APPLICATION )  
OF AMOCO PRODUCTION COMPANY, FOR )  
APPROVAL OF ROCK LAKE UNIT )  
AGREEMENT, LEA COUNTY, NEW MEXICO. )

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

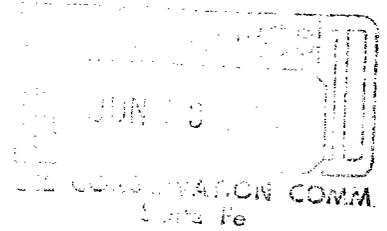


5180

**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:

[Signature] Assistant Secretary

AMERADA HESS CORPORATION

[Signature] Vice President

Handwritten initials: DB, RB, 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: 10/16, 1978

[Signature] 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 is on only*  
Ass't Secretary

GULF OIL CORPORATION  
BY: *J. A. Heid* *Heid*  
Attorney in Fact *MB 1/12*

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

The foregoing instrument was acknowledged before me this 1<sup>st</sup> 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* **E. L. Orrell**  
Notary Public in and for  
Midland County, Texas



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

| DATE         | OCC CASE NO.  | 5180   | EFFECTIVE DATE | TOTAL ACREAGE | STATE    | FEDERAL | <del>XXXXXX</del> -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: A11  
 Sections 27 through 29: A11  
 Sections 32 through 34: A11

**TERMINATED**  
 E.M.: 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                               | DATE                 | ACRES  | ACREAGE  |              | LESSEE                 |
|-----------------|------------|--------------|------|------|------|--|----------------------|--------|----------|--------------|------------------------|
|                 |            |              |      |      |      |  |                      |        | RATIFIED | 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   | 22S  | 35E  | S/2NW/4<br>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   | 22S  | 35E  | SE/4<br>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   | 22S  | 35E  | SW/4<br>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,<br>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**  
 3-20-76

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 NOT RATIFIED | LESSEE                 |
|-----------------|-----------|--------------|------|------|------|---------------|----------|--------|-------|----------------------|------------------------|
|                 |           |              |      |      |      |               | DATE     | ACRES  |       |                      |                        |
| 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              | IG-0358   | C.S.         | 22   | 22S  | 35E  | NE/4          | 3-22-74  | 160.00 |       |                      | BTA Oil Producers      |
| 22              | IG-0484   | C.S.         | 21   | 22S  | 35E  | S/2           | 3-20-74  | 320.00 |       |                      | Aztec Oil and Gas Co.  |

**TERMINATED**  
*EN*  
 3-20-76



5180

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

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

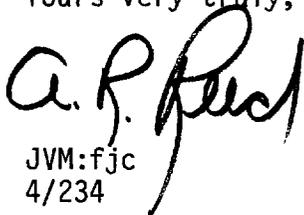
Gentlemen:

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

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

I. R. TRUJILLO  
CHAIRMAN  
LAND COMMISSIONER  
ALEX J. ARMIJO  
MEMBER  
STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

March 18, 1974

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