



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

March 26, 1975

Amoco Production Company  
Attention: Mr. C. J. Christensen  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

Your letter of January 24, 1975, requesting approval of the first revision of the Delaware participating area for the Old Indian Draw unit agreement, Eddy County, New Mexico, No. 14-08-0001-12405, was approved March 26, 1975, by the Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of November 1, 1974.

The first revision adds 40.00 acres described as the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of sec. 18, T. 22 S., R. 28 E., N.M.P.M., thereby enlarging the Delaware participating area to 80.00 acres. Such revision is based on information obtained by the completion of unit well No. 2 located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of sec. 18. Unit well No. 2 was completed on November 17, 1974, pumping at the rate of 275 barrels of oil and 8 barrels of water per day from the Delaware interval 3,259 feet to 3,287 feet.

Copies of the approved revision are being distributed to the appropriate Federal offices and one approved copy is returned herewith. You are requested to furnish all interested parties with appropriate evidence of this approval.

Sincerely yours,

N. O. FREDERICK  
Area Oil and Gas Supervisor

cc:  
BLM, Santa Fe (ltr only)  
NMOCC, Santa Fe (ltr only)  
Artesia (w/cy appln)

ARStall:ds



# United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

April 23, 1975

Amoco Production Company  
Attention: Mr. Carl J. Christensen  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

The 1975 plan of development submitted for the Old Indian Draw unit area, Eddy County, New Mexico, was approved on this date subject to like approval by the appropriate State officials.

Such plan proposes the drilling of up to four additional Delaware wells on unit lands outside the participating area with the drilling of each well to be predicated upon the information obtained by the previously drilled wells.

One approved copy is enclosed.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

cc:

✓NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Artesia (w/cy plan)

JAGillham:ds

**Amoco Production Company**

200 Jefferson Building  
P.O. Box 5092  
Houston, Texas 77001

5029

Carl J. Christensen  
Assistant Division  
Production Manager

April 11, 1975

File: CGF-1520-LF

Re: Old Indian Draw Unit  
No. 14-08-0001-12405  
Amoco Contract No. 84194  
Amoco Unit No. 522059  
Eddy County, New Mexico

Marathon Oil Company  
P. O. Box 3128  
Houston, TX 77001

Production Department  
Perry R. Bass  
Bass Enterprises Production Co.  
P. O. Box 2760  
Midland, TX 79701

Gentlemen:

For your information and records, we are furnishing you a copy of our letter of January 24, 1975, File: RCJ-49-LF, which has been stamped "approved" by the USGS and also furnish you a copy of the USGS transmittal letter of March 26, 1975.

The attached data outlines the circumstances under which the first revision for the Delaware participating area for the Old Indian Draw Unit was approved.

Yours very truly,

**ORIGINAL SIGNED**  
**C. J. CHRISTENSEN**  
**BY G. D. D.**

WJW/mct  
5/040

cc: ✓ New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501  
Attention: Mr. James E. Kapteina

All Royalty, Overriding Royalty and Production Payments Owners.  
Addressed List Attached

ORI AND PRODUCTION PAYMENT OWNERS  
Old Indian Draw Unit

Robert N. Enfield & Mona L.  
P. O. Box 2431  
Santa Fe, NM 87501

The Anita L. Berger Estate  
Henry Berger Ind. and as Co-executor  
with Anthony A. Adler, Melanie Adler  
and City National Bank  
c/o City National Bank  
400 North Roxbury  
Beverly Hills, CA 90210



# United States Department of the Interior

## GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

March 26, 1975

Amoco Production Company  
Attention: Mr. C. J. Christensen  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

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The first revision adds 40.00 acres described as the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of sec. 18, T. 22 S., R. 28 E., N.M.P.M., thereby enlarging the Delaware participating area to 80.00 acres. Such revision is based on information obtained by the completion of unit well No. 2 located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$  of sec. 18. Unit well No. 2 was completed on November 17, 1974, pumping at the rate of 275 barrels of oil and 8 barrels of water per day from the Delaware interval 3,259 feet to 3,287 feet.

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Sincerely yours,

  
N. O. FREDERICK  
Area Oil and Gas Supervisor

*Handwritten notes:*  
1  
2  
3  
SUM 2



**Amoco Production Company**

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

Carl J. Christensen  
Assistant Division  
Production Manager

**January 24, 1975**

**File: RCJ-49-LF**

**Re: Revision of Delaware  
Participating Area  
Old Indian Draw Unit  
Eddy County, New Mexico**

**Mr. Carl C. Traywick (3)  
United States Department of the Interior  
P. O. Drawer 1857  
Roswell, NM 88201**

**Mr. James E. Kaptaina  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, NM 87501**

Approved MAR 20 1975  
Effective NOV 01 1974  
*[Signature]*  
Area Chief Supervisor  
U. S. Geological Survey

**Gentlemen:**

**Amoco Production Company as Operator of the Old Indian Draw Unit, Eddy County, New Mexico, respectfully requests that a first revision to the Delaware Participating Area be approved.**

The area to be added is the SW/4 of the SE/4 of Section 18, T22S, R28E, Eddy County, New Mexico. This 40-acre tract is the proration unit for Well No. 2, which was completed in the Delaware on November 27, 1974, pumping at the rate of 275 barrels oil and 8 barrels water per day. Well No. 2 is essentially comparable structurally to the first well which had produced 34,226 barrels oil and 5011 barrels water to 1-1-75 and is presently capable of producing top discovery allowable of 103 barrels oil per day. The No. 2 well also had produced 3064 barrels oil and 174 barrels water by 1-1-75. During December, it produced at top allowable rate of 80 barrels oil per day and is deemed a "commercial" well.

Attached is a summary of interests and acreage involved in the initial and first revision to the participating area. Also attached is a map showing the unit and participating areas. Further, a cross section of the recent wells in this area is included.

Yours very truly,

**ORIGINAL SIGNED BY  
C. J. CHRISTENSEN**

JVM:db  
5/952-558

**Attachments**

*Schedule OK?  
Call to 409-8683-8*

GLASS

Old Indian Draw Unit Delaware  
Eddy County, New Mexico

Initial Delaware Participating Area

Unit Tract No.           = 3  
Lease No.                = NM-0415688-A  
Participating Acres     = 40.00 (Well No. 1 proration unit)  
Description             = NW/4, SE/4, Section 18-T22S-R28E  
Royalty                 = USA all (12.5%)  
Effective Date         = 12-15-73

Working Interest until Well No. 1 payout

Amoco Prod. Co.         74.43467% \*  
Perry R. Bass           6.39133% \*  
Bass Enterprises        19.17400% \*  
Total                   100.00000%

\* Subject to payment of proportionate part of 19.70704%  
of 1/16 of 8/8 ORR until payout of Well No. 1.

First Revision of Delaware Participating Area

Unit Tract No.           = 3  
Lease No.                = NM-0415688-A  
Added Area               = 40 acres (Well No. 2 proration unit)  
Description              = SW/4, SE/4, Section 18-T22S-R28E  
Royalty                  = USA all (12.5%)  
Revision Date            = 11-1-74 (Well No. 2 completed 11-27-74)

Working Interest Participation in First Revision Area and in  
Initial Participating Area after Well No. 1 pay out.

Amoco Prod. Co.	69.54504%
Marathon	6.56902%
Perry R. Bass	5.971485%
Bass Enterprises	<u>17.914455%</u>
Total	100.000000%

All Amoco Production Company interest subject to \$750 per acre production payment out of 2% to Robert N. Enfield and wife, Mona L. Enfield. Also subject to \$750 per acre production payment out of 3% to Anita L. Berger and husband, Henry Berger.

JVM:db  
4/015-671

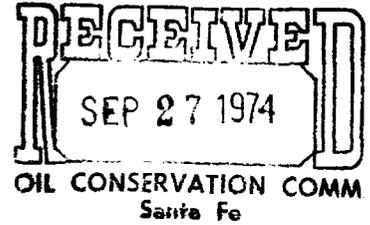


5029

**Amoco Production Company**

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

September 23, 1974



Re: EA 47,090  
Old Indian Draw Unit No. 522059  
Amoco Contract No. 84,194  
Amoco Lease No. 253037  
Eddy County, New Mexico

New Mexico Oil and Gas Conservation Commission  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

Attached for your file are three (3) copies of Ratification and Joinder to the Old Indian Draw Unit executed by Doreen Smith. Ms. Smith was the last Consenting Overriding Royalty/Production Payment Owner to ratify the Unit.

Yours very truly,

  
J. Scott Dean  
Land Department

JSD:fjc  
1/454

Attachments

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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 Old Indian Draw 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.

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

..... _____	<u>Noreen Smith</u>
..... _____	<u>P.O. Box 3538</u>
..... _____	<u>Reno, Nevada 89505</u>
..... _____	_____
..... _____	_____
..... _____	_____

CONTRACT # 89 114  
UNIT # 522059

STATE OF California  
COUNTY OF Los Angeles

The foregoing instrument was acknowledged before me this  
16<sup>th</sup> day of September, 1973, by Screen Smith  
40mt

My Commission expires:

February 26, 1978

Diane M. Houghton  
Notary Public in and for



Los Angeles County,  
California

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

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*Noreen Smith*  
\_\_\_\_\_  
*P.O. Box 3538*  
\_\_\_\_\_  
*Reno, Nevada 89505*  
\_\_\_\_\_  
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CONTRACT # 84 114  
UNIT # 522059

STATE OF California  
COUNTY OF Los Angeles

The foregoing instrument was acknowledged before me this  
16<sup>th</sup> day of September, 1973, by <sup>4. DMH</sup> Steven Smith

My Commission expires:

February 26, 1978

Diane M. Houghton  
Notary Public in and for



Los Angeles County,  
California

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

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\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

Notary Public in and for

\_\_\_\_\_ County,

\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

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.....  
\_\_\_\_\_

*Noreen Smith*  
\_\_\_\_\_  
*P.O. Box 3538*  
\_\_\_\_\_  
*Reno, Nevada 89505*  
\_\_\_\_\_  
\_\_\_\_\_  
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CONTRACT # 89 194  
UNIT # 522059

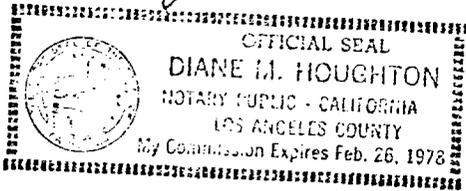
STATE OF California  
COUNTY OF Los Angeles

The foregoing instrument was acknowledged before me this  
16<sup>th</sup> day of September, 1973, by <sup>4. Smith</sup> Steven Smith

My Commission expires:

February 26, 1978

Diane M. Houghton  
Notary Public in and for



Los Angeles County,  
California

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_



United States Department of the Interior

GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

August 5, 1974

Amoco Production Company  
Attention: Mr. Carl J. Christensen  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

One approved copy of your 1974 plan of development for the Old Indian Draw unit area, Eddy County, New Mexico, proposing the drilling of one Delaware development well, is enclosed. Such plan was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Subsequent plans of development require three copies for proper handling by this office.

Sincerely yours,

(ORIG. SGD.) CARL C. TRAYWICK

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

cc:  
NMOCC, Santa Fe (ltr only)  
Com. Pub. Lands, Santa Fe (ltr only)  
Artesia (w/cy plan)

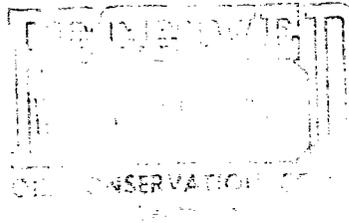
JAGillham:ds



United States Department of the Interior

GEOLOGICAL SURVEY  
Drawer 1057  
Roswell, New Mexico 88201

July 24, 1974



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

Gentlemen:

Your application of July 18, 1974, requesting approval of the initial Delaware participating area for the Old Indian Draw unit agreement, Eddy County, New Mexico, was approved on July 24, 1974, by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective as of December 15, 1973.

The initial Delaware participating area, consisting of 40 acres described as the NW $\frac{1}{4}$  sec. 18, T. 22 S., R. 28 E., is based on the completion of unit well No. 1. The well, located in the NW $\frac{1}{4}$  sec. 18, T. 22 S., R. 28 E., was completed on December 15, 1973, for 108 barrels of oil per day from the Delaware interval from 3,260 feet to 3,290 feet. It has produced 19,867 barrels of oil to July 1, 1974, for a daily average of approximately 108 barrels of oil per day.

Copies of the approved application are being distributed to the appropriate Federal offices, and one approved copy is being returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

cc:

Artesia (w/cy of appln)  
BLM, Santa Fe (ltr only)  
✓ NMOCC, Santa Fe (ltr only)

REShook:ds



**Amoco Production Company**

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

July 31, 1974

Re: EA 47090  
Old Indian Draw Unit  
Contract No. 84194  
Eddy County, New Mexico

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

Gentlemen:

For your files we enclose letter dated July 18, 1974, from Amoco Production Company to the United States Geological Survey requesting that the NW/4 of the SE/4 of Section 18, Township 22 South, Range 28 East, be established as the initial Delaware participating area for the captioned unit. We also enclose copy of letter dated July 24, 1974, from the USGS to Amoco wherein the requested unit was approved effective as of December 15, 1973.

Yours truly,

Jack D. Anderson  
Land Department

JDA/r1  
3/266  
Enclosures



# United States Department of the Interior

## GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201

*June*

RECEIVED WTD LAND HOUSTON	JUL 29 1974	July 24, 1974									
		JDA	RKR	JWD	DT	JSD	WDM	KO	Pls. Handle	Info.	Pls. Return
		MAF	FL								

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

Gentlemen:

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Copies of the approved application are being distributed to the appropriate Federal offices, and one approved copy is being returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

*Carl C. Traywick*  
CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor



**Amoco Production Company**

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

Carl J. Christensen  
Assistant Division  
Production Manager

18  
July 87, 1974

File: RCJ-2213-LF

Re: Delaware Participating Area  
Old Indian Draw Unit  
Eddy County, NM

Mr. N. O. Frederick  
United States Department of the Interior  
P. O. Drawer 1857  
Roswell, NM 88201

JUL 11 1974  
U. S. GEOLOGICAL SURVEY  
ROSWELL, N.M. 88201

Dear Sir:

This letter is to provide you with additional data on the recommended Delaware Participating Area of the subject unit which we discussed in our letter of June 5, 1974, File: JRB-1798-LF.

The initial well on this Unit was completed as a "commercial" Delaware oil producer from perforations 3260'-3290' on December 15, 1973. The well has produced to July 1, 1974, a total of 19,867 barrels oil and 2813 barrels water. Gas production has averaged only 150 cubic feet per barrel of oil and it is all used on the lease. Attached is a map showing the unit, initial well location, and proposed participating area.

Most Delaware production in Southeast New Mexico is from relatively small fields. For example, the Esperanza Delaware Field some 3.7 miles northwest has one good 40 acre Delaware oil producer which has been offset by 3 dry holes. The structure of the area does not seem to bear directly on production or the lack of same. The Delaware in this area is monoclinal and dips slightly to the east. We presently believe any 40 acre proration unit cannot be assumed as reasonably productive until a well has been successfully completed thereon.

File: RCJ-2213-LF  
Page 2  
July 18, 1974

We therefore propose that the Initial Delaware Participating Area comprise 40 acres being the NW/4 of the SE/4 of Section 18, T22S, R28E, Eddy County, New Mexico. All production from the initial well should be allocated to this tract. Our records show this tract as having 12.5% USA royalty ownership with the lessee of record being Amoco Production Company. The tract is burdened with an overriding royalty to Robert N. Enfield and wife Mona L. Enfield in the amount of \$750 per acre production payment out of 2%, and an overriding royalty to Anita L. Berger and husband, Henry Berger in the amount of \$750 per acre production payment out of 3%.

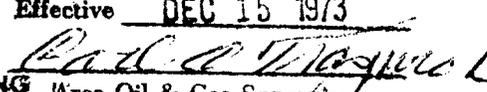
Your favorable consideration of the above is respectfully requested.

Very truly yours,



JVM/dgh  
4/096

Attachment

Approved JUL 24 1974  
Effective DEC 15 1973  
  
ACTING Area Oil & Gas Supervisor  
U. S. Geological Survey



5027  
United States Department of the Interior

GEOLOGICAL SURVEY

Denver Federal Center  
Denver, Colorado 80225

JUL 16 1973

Amoco Production Company  
Attention: Mr. C. N. Manninger  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

Your application of June 22, filed with the Area Oil and Gas Supervisor, Roswell, New Mexico, on June 27, requests the designation of the Old Indian Draw unit area embracing 3,117.82 acres, more or less, Eddy County, New Mexico, as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act, as amended. According to our records, your application has an acreage error in sec. 19 which should be corrected on your application for final approval. Such acreage should be 614.43 acres instead of 624.96 acres as shown in your application, and the total acres for the proposed unit area should be 3,117.82 acres instead of 3,128.35 acres.

Pursuant to unit plan regulations of December 20, 1950, 30 CFR 226.3 (1968 reprint) the land requested as outlined in your application and shown on the plat of the proposed unit area, is hereby designated as a logical unit area.

The unit agreement submitted for the area designated should provide for the drilling of the initial exploratory well to test all of the formations of Pennsylvanian Age, or to a depth of 12,400 feet. As proposed by your application, the form of agreement for unproved areas (1968 reprint) should be used and modified to apply to fee lands and Federal lands under the jurisdiction of the Bureau of Reclamation.

In the absence of any other type of land requiring special provisions or any objections not now apparent, a duly executed agreement identical to the 1968 reprint, modified only as outlined above, will be approved if submitted in approvable status within a reasonable period of time. However, the right is reserved to deny approval of any executed agreement, which, in our opinion, does not have full commitment of sufficient lands to afford effective control of operations in the unit area.

When the executed agreement is transmitted to the Supervisor for approval, include the latest status of all acreage. The format of

the sample exhibits attached to the 1968 reprint of the standard form should be followed closely in the preparation of exhibits A and B.

Sincerely yours,

~~REDACTED SIGNATURE~~

Conservation Manager, Central Region  
For the Director

cc:

BLM, Santa Fe (w/cy plat of proposed unit area)  
NMOCC, Santa Fe  
Roswell (2)

REShook:ds

SERIALS:

New Mexico 0415239-B  
0415461  
0415688-A  
0429825



**Amoco Production Company**

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

October 1, 1973



5029

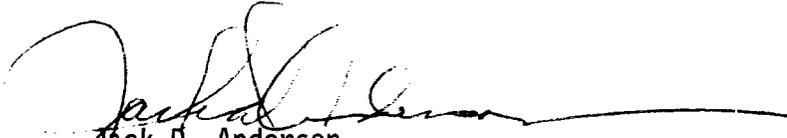
Re: EA 47,090  
Old Indian Draw Unit  
Eddy County, New Mexico

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

Gentlemen:

For your files, we enclose one copy of Exhibit "B" to the Old Indian Draw Unit which was revised on September 10, 1973. On July 25, 1973, you heard our request to form the Old Indian Draw Unit, and on July 31, 1973, the unit was effective as a result of Case No. 5029, Order No. R-4606. We also enclose for your files one executed copy of Ratification from all of the overriding royalty and production payment owners with the exception of E. W. Smith and wife, Doreen Smith. We wish to advise that we were unsuccessful in securing the Ratification of Pecos Irrigation Company, who is the royalty owner under Tracts No. 5 and 6 which are the only fee tracts located within the unit area.

Yours truly,

  
Jack D. Anderson  
Land Department

JDA:db  
1/993-619

Enclosures

Exhibit "B" - Old Indian Draw Unit Area, Eddy County, New Mexico

(Revised effective September 10, 1973)

Tract No.	Description of Land	Number of Acres	Serial No. & Expiration Date of Lease	Basic Royalty & Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
<u>Federal Acreage</u>							
1	<u>T22S-R28E</u> Sec. 20: A11	640	NM-0415239-B 9-30-73	USA - A11 (12.5%)	Amoco Production Company	Max B. Lewis and wife, Virginia E. Lewis-.375% Leonard J. Lewis and wife, Lois Ann C. Lewis-.375% Dean W. Rowell, a single man - .375% Wesley E. Peltzer and wife, Widney W. Peltzer 1.875% E. W. Smith and wife, Doreen Smith and Victor Salazer and wife, Lupe Salazer - 2%	Amoco Production Company - 100%
2	<u>T22S-R28E</u> Sec. 19: Lots 5,6,7,8,9 10,11,12,E/2	614.43	NM-0415461 12-31-73	USA - A11	Marathon	W.H. Brown 3% L.C. Harris and wife, Marion V. Harris-\$500. per acre production payment out of 3.25%	Marathon Oil Company - 100%
3	<u>T22S-R28E</u> Sec. 17: S/2 N/2, S/2 Sec. 18: Lots 5,6,7,8,9 10,11,12 E/2	1082.63	NM-0415688-A 8-31-73	USA - A11 (12.5%)	Amoco Production Company	Robert N. Enfield and wife, Mona L. Enfield- \$750. per acre production payment out of 5%, which absorbs a \$500. per acre production payment out of 3% owned by Henry Berger, a single man, & co-executors: Anthony A. Adler; Melanie Adler, City Natl. Bank, Beverly Hills, Calif.	Amoco Production Company - 100%

Exhibit "B" - Old Indian Draw Unit Area, Eddy County, New Mexico

(Revised effective September 10, 1973)

Tract No.	Description of Land	Number of Acres	Serial No. & Expiration Date of Lease	Basic Royalty & Ownership Percentage	Lessee of Record	Overriding Royalty and Percentage	Working Interest and Percentage
4	T22S-R28E Sec. 7: Lots 5,6,7,8	140.76	NM-0429825 3-31-73	USA - All (12.5%)	Amoco Production Company	Patricia Boyle, a single person - 2% Dean Thornton - 1% Patricia B. Young and husband, Peter E. Young - 2%	Amoco Production Company - 100%
4 Federal Tracts: 2,477.82 acres							
Fee							
5	T22S-R28E Sec. 8: W/2 W/2	160.00	9-29-77	Pecos Irrigation Company - 18.75%	Perry R. Bass and Bass Enterprises Production Co.		Perry R. Bass - 25% Bass Enterprises Production Co. - 75%
6	T22S-R28E Sec. 7: E/2, E/2 W/2	480.00	9-29-77	Pecos Irrigation Company - 18.75%	Perry R. Bass and Bass Enterprises Production Co.		Perry R. Bass - 25% Bass Enterprises Production Co. - 75%
2 Fee Tracts: 640.00 Acres							

Total:

4 Federal Tracts - 2,477.82 Acres = 79.4728  
 2 Fee Tracts - 640.00 Acres = 20.5272  
 3,117.82 100.0000%

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement" for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, hereinafter referred to as the "Unit Operating Agreement"; and

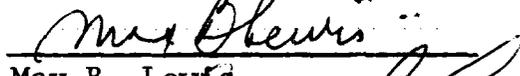
WHEREAS, Exhibits "A" and "B" attached to said Unit Agreement identify the tracts which may become a part of the Old Indian Draw Unit Area; and

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.

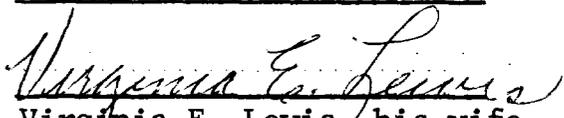
IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth in its acknowledgement.

  
Dean W. Rowell, a single man

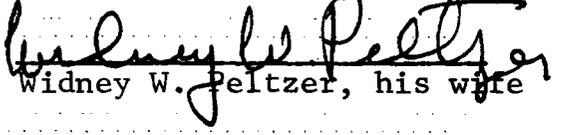
  
Max B. Lewis

  
Leonard J. Lewis

  
Wesley E. Peltzer

  
Virginia E. Lewis, his wife

  
Lois Ann C. Lewis, his wife

  
Widney W. Peltzer, his wife

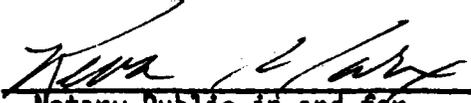
STATE OF UTAH

COUNTY OF SALT LAKE

The foregoing instrument was acknowledged before me this  
10th day of August, 1973, by Dean W. Rowell; Max B. Lewis, and wife  
Virginia E. Lewis; Leonard J. Lewis; <sup>and wife</sup> Lois Ann C. Lewis;  
Wesley E. Peltzer and Widney W. Peltzer, <sup>his wife</sup>

My Commission expires:

2/23/76

  
Notary Public in and for  
Salt Lake County,  
Utah

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_



STATE OF New Mexico |

COUNTY OF Bernalillo |

The foregoing instrument was acknowledged before me this  
18 day of July, 1973, by Victor Salazar  
and Lupe Salazar, his wife.

My Commission expires:

9-30-73

Samuel A. Breeze  
Notary Public in and for

Bernalillo County,  
New Mexico

STATE OF \_\_\_\_\_ |

COUNTY OF \_\_\_\_\_ |

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for

\_\_\_\_\_ County,  
\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

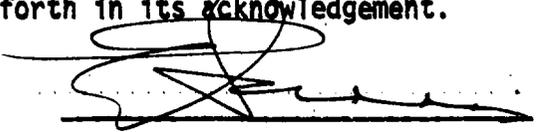
THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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 Old Indian Draw 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.

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

_____	
_____	<u>Mavis V. Harris</u>
_____	_____
_____	_____
_____	_____
_____	_____

STATE OF NEW MEXICO |

COUNTY OF Chaves |

The foregoing instrument was acknowledged before me this  
17th day of July, 1973, by L. C. Harris and  
Marion V. Harris, his wife.

My Commission expires:

July 15, 1974

*Elizabeth B. Herman*  
Notary Public in and for  
Chaves County,  
NEW MEXICO

STATE OF \_\_\_\_\_ |

COUNTY OF \_\_\_\_\_ |

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

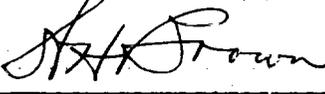
THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, hereinafter referred to as the "Unit Operating Agreement"; and

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

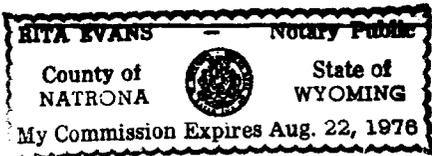
_____	
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

STATE OF Wyoming

COUNTY OF Natrona

The foregoing instrument was acknowledged before me this  
24 day of July, 1973, by W.H. Brown

My Commission expires:



Rita Evans  
Notary Public in and for  
Natrona County,  
Wyoming

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

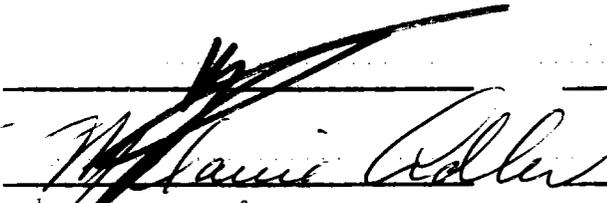
THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, hereinafter referred to as the "Unit Operating Agreement"; and

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

  
\_\_\_\_\_  
CITY NATIONAL BANK, CO-EXECUTIVE  
Herold D. Boster  
\_\_\_\_\_  
Anthony A. Adler  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF CALIFORNIA )

COUNTY OF Los Angeles )

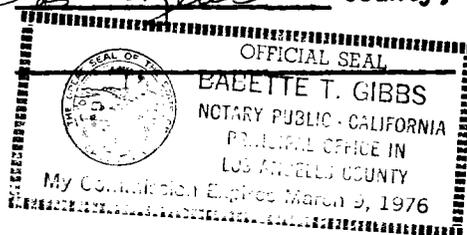
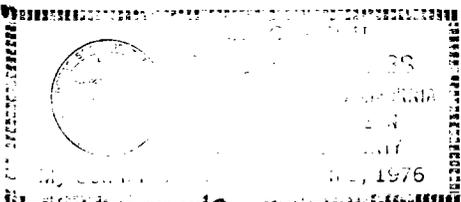
The foregoing instrument was acknowledged before me this 1st day of August, 1973, by HENRY BERGER

My Commission expires:

3-9-73

Babette T. Gibbs  
Notary Public in and for

Los Angeles County,



STATE OF CALIFORNIA )

COUNTY OF LOS ANGELES )

The foregoing instrument was acknowledged before me this 6th day of AUGUST, 1973, by MELANIE ADLER

of \_\_\_\_\_

My Commission expires:

January 9, 1977

Sheila C. Ehrman  
Notary Public in and for

Los Angeles County,



TO 447 C  
(Individual)

(TT)

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS.

On August 6, 1973 before me, the undersigned, a Notary Public in and for said State, personally appeared ANTHONY A. ADLER

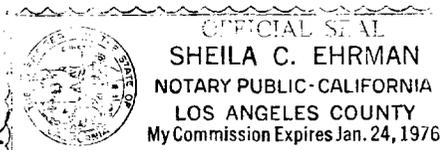
↑  
HERE

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS

On this 6th day of August, 1973, before me, Sheila C. Ehrman, personally appeared  
HOWARD D. BORNSTEIN

known to me to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.

Signed Sheila C. Ehrman  
Sheila C. Ehrman



400 N. Roxbury Dr., 3rd Floor, Beverly Hills, CA. 90210

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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 Old Indian Draw 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.

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Robert M. England*  
*Robert M. England*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF NEW MEXICO

COUNTY OF SANTA FE

The foregoing instrument was acknowledged before me this  
16<sup>th</sup> day of July, 1973, by Robert N.  
ENFIELD and Wife MONA L. ENFIELD

My Commission expires:

March 27, 1974

Maie Sullerton  
Notary Public in and for  
Santa Fe County,  
New Mexico

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this  
\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

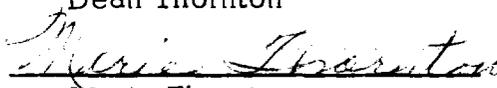
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IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth in its acknowledgement.

 _____ Dean Thornton	_____
 _____ Marie Thornton	_____
_____	_____
_____	_____
_____	_____
_____	_____

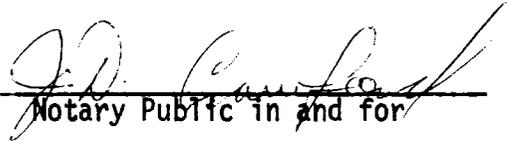
STATE OF TEXAS |

COUNTY OF MIDLAND |

The foregoing instrument was acknowledged before me this  
24<sup>th</sup> day of July, 1973, by Dean Thornton

My Commission expires:

June 1, 1975

  
Notary Public in and for

Midland County,  
Texas

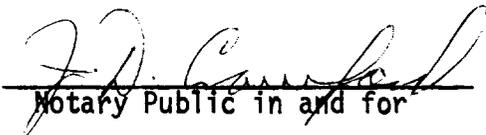
STATE OF TEXAS |

COUNTY OF MIDLAND |

The foregoing instrument was acknowledged before me this  
24<sup>th</sup> day of July, 1973, by Marie Thornton,  
Wife of Dean Thornton

My Commission expires:

June 1, 1975

  
Notary Public in and for

Midland County,  
Texas

RATIFICATION AND JOINDER OF AGREEMENTS ENTITLED  
"UNIT AGREEMENT" AND "UNIT OPERATING AGREEMENT"  
OLD INDIAN DRAW UNIT AREA  
EDDY COUNTY, NEW MEXICO

KNOW ALL MEN BY THESE PRESENTS:

THAT, WHEREAS, the undersigned owner (whether one or more) of royalty, overriding royalty, or production payment interests hereby acknowledges receipt of a true copy of the "Unit Agreement for the Development and Operation of the Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, 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, Old Indian Draw Unit Area, County of Eddy, State of New Mexico", dated June 25, 1973, hereinafter referred to as the "Unit Operating Agreement"; and

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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.

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Patricia Boyle*  
*Peter E. Young*  
*Patricia Young*  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF Texas

COUNTY OF Midland

The foregoing instrument was acknowledged before me this

16 day of July, 1973, by Patricia B. Young and Husband Peter E. Young

My Commission expires:

June 1, 1975

Evelyn Little  
Notary Public in and for  
Midland County,  
Texas

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

The foregoing instrument was acknowledged before me this

\_\_\_\_\_ day of \_\_\_\_\_, 1973, by \_\_\_\_\_,  
\_\_\_\_\_ of \_\_\_\_\_

My Commission expires:

\_\_\_\_\_

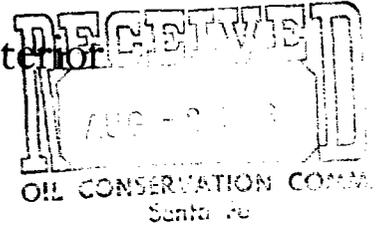
\_\_\_\_\_  
Notary Public in and for  
\_\_\_\_\_ County,  
\_\_\_\_\_



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857  
Roswell, New Mexico 88201



July 31, 1973

5029

Amoco Production Company  
Attention: Mr. C. N. Menninger  
P.O. Box 3092  
Houston, Texas 77001

Gentlemen:

The Old Indian Draw unit agreement, Eddy County, New Mexico, was approved on July 31, 1973. The agreement has been designated No. 14-08-0001-12405 and is effective as of the date of approval.

Enclosed are three copies of the approved agreement. We request that you furnish the New Mexico Oil Conservation Commission and any other interested principals with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SCL) C.C. TRATWICK

CARL C. TRATWICK  
Acting Area Oil and Gas Supervisor

cc:  
Area Geologist (ltr only)  
NMOCC, Santa Fe (ltr only)  
Artesia (w/cy approved agreement)

REShook:ds



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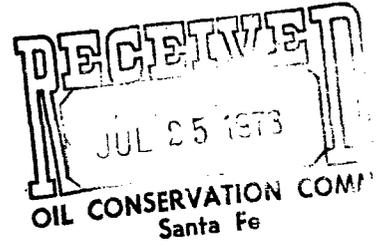
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PMS MR AL PORTER JR

OIL CONSERVATION COMM STATE LAND OFFICE BLDG

SANTA FE NMEX 87501



RE CASENO 5029 EXAMINER HEARING JULY 25 1973 THIS IS OUR ENTRY  
OF APPEARANCE IN BEHALF OF AMOCO PRODUCTION  
CO WITH GUY BUELL ESQUIRE IN OLD INDIAN DRAW UNIT AREA  
COMPRISING 3.128 ACRES MORE OR LESS OF FEDERAL AND FEE LANDS IN  
TOWNSHIP 22 SOUTH RANGE 28 EAST MALONE MANN AND COOTER  
BY JOHN W BASSETT

western union

Telegram

ern union

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

July 24, 1973

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

RE: Case No. 5029 - Examiner hearing July 25, 1973

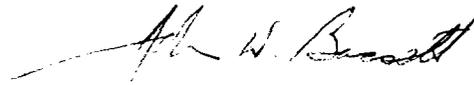
Dear Mr. Porter:

This is to verify our telegram sent to you today entering our appearance on behalf of Amoco Production Company for approval of Amoco's Old Indian Draw Unit Area comprising 3,128 acres, more or less, of Federal and fee lands in Township 22 South, Range 28 East, Eddy County, New Mexico.

The presentation will be handled by Guy Buell of Amoco's Houston office.

Thank you for your courtesy, and I am,

Sincerely,



John W. Bassett

JWB:sas  
cc: Guy Buell, Esquire

Amoco Production Co.

July 25th Aug.

Old Indian Draw Unit Area

3128 acres

72d and 72d lands

T 22 N - R 28 E Eddy Co.

Wendy Powell Hambo.