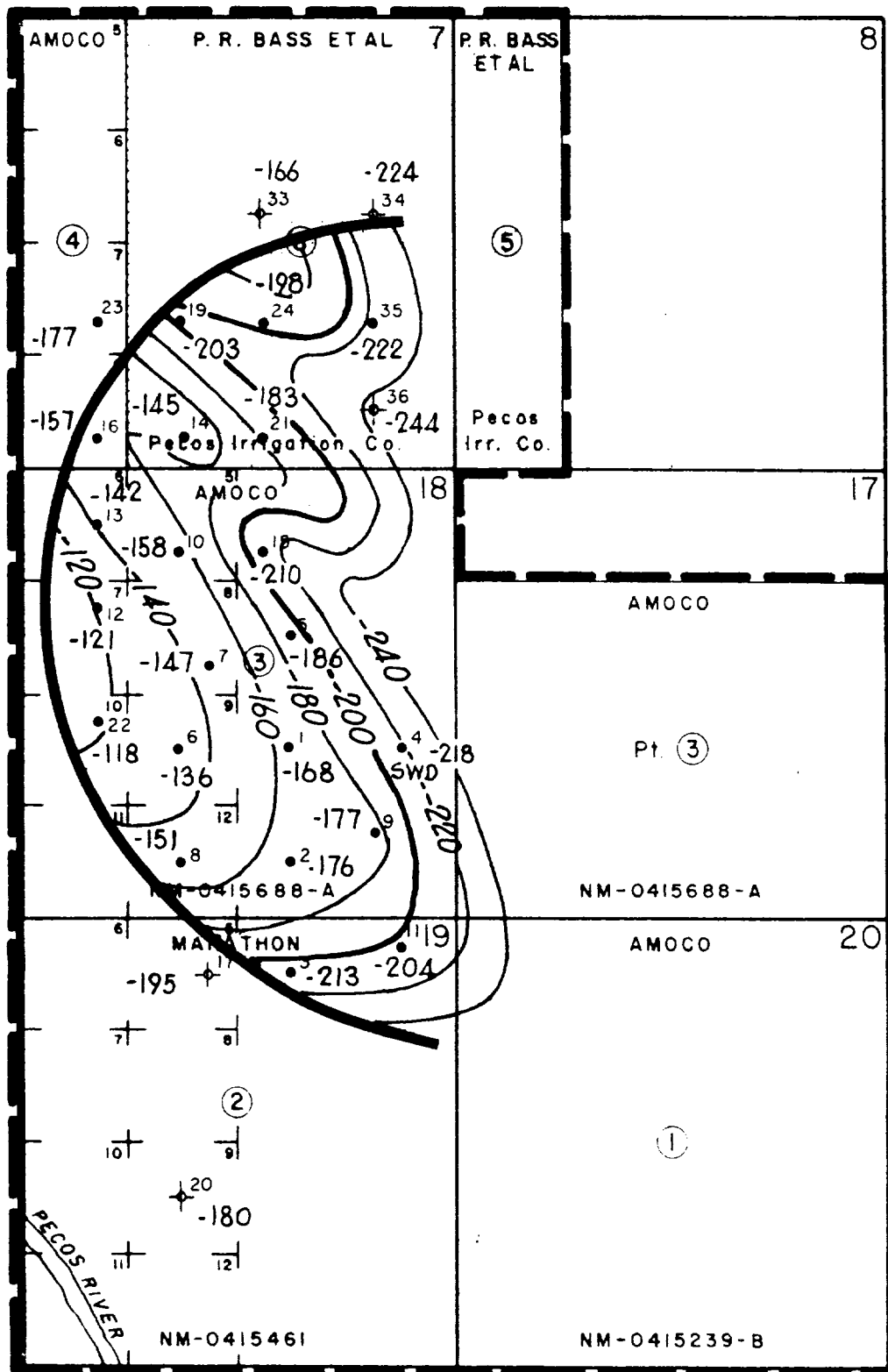



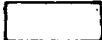


R 28 E



T  
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FEDERAL LEASES
NM-0415239-B
NM-0415461
NM-0415688-A
NM-0429825

LEGEND

-  FEDERAL LAND
-  FEE LAND
-  TRACT NUMBER
-  UNIT BOUNDARY



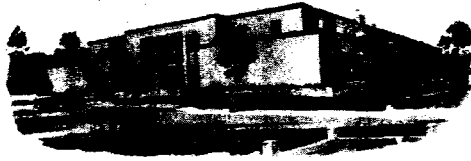
TOP OF DELAWARE SAND  
C.I. = 20'

OLD INDIAN DRAW UNIT  
EDDY COUNTY, NEW MEXICO

SCALE: 1" = 2000'

December, 1978

State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO  
COMMISSIONER

January 31, 1978

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

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

*710.5.117*

Re: Old Indian Draw Unit  
Eddy County, New Mexico  
1978 Plan of Development

ATTENTION: Mr. J. L. Hoyt, Jr.

Gentlemen:

We are in receipt of one copy of your 1978 Plan of Development for the Old Indian Draw Unit, Eddy County, New Mexico.

Since this unit contains no State of New Mexico lands, we have this date filed it for record purposes only.

Very truly yours,

PHIL R. LUCERO  
COMMISSIONER OF PUBLIC LANDS

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

PRL/RDG/s

cc: OCC-Santa Fe, New Mexico ✓



# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

OCT 18 1978

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

No. 5029

Gentlemen:

Our records show that the following wells have been completed within the Old Indian Draw unit agreement, Eddy County, New Mexico, subsequent to March 1, 1977, the effective date of the ninth Delaware participating area:

Unit Well No.	Location T. 22 S., R. 28 E., N.M.P.M.	Delaware Completion Date	Initial Potential BOPD
19	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7	5-2-77	151
22	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18	6-19-77	44
23	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 7	5-29-77	19
24	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7	6-22-77	30
35	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 7	7-26-77	34

Inasmuch as the Old Indian Draw unit agreement is subject to automatic elimination as of December 15, 1978, in the absence of a well being drilled on committed lands within the unit area not entitled to participation on that date, we need determinations as to whether the above described wells are capable of producing unitized substances in paying quantities and the necessary applications for expansions of the Delaware participating area as appropriate. The automatic elimination requirement of the unit agreement makes it imperative that we timely establish the aggregate participating areas reasonably proved productive by the above described wells. If you desire, we would be glad to arrange a conference to discuss your determination of the areas qualified for inclusion in the individual participating area revisions based on the information contributed by the wells involved.

Sincerely yours,

O/S

JACK WILLOCK

Assistant Oil & Gas Supervisor, SOGA

cc: NMOCD, Santa Fe

← This Copy for

From this  
is to be approved  
by you + USBS  
but not by us.

Mary  
Swartz

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

February 7, 1978

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

Attention: J. L. Hoyt, Jr.

Re: Case No. 5029  
Old Indian Draw Unit  
1978 Plan of Development

Gentlemen:

We hereby approve the 1978 Plan of Development for the Old Indian Draw Unit, Eddy County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

Very truly yours,

JOE D. RAMEY  
Secretary-Director

JDR/LT/fd

cc: U.S.G.S. - Roswell  
Commissioner of Public Lands



**Amoco Production Company**

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

January 4, 1978

File: CGF(10)-4904-WF&LF

Re: 1978 Plan of Development  
Old Indian Draw Unit  
Eddy County, New Mexico

Mr. Carl C. Traywick (3)  
Area Oil & Gas Supervisor  
United States Department of the Interior  
Geological Survey  
P. O. Drawer 1857  
Roswell, NM 88201

Mr. Phil R. Lucero (3)  
Commission of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501

Mr. James E. Kapteine (3)  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company, as Operator of the Old Indian Draw Unit, Eddy County, New Mexico, hereby requests your approval of the 1978 Plan of Development.

As you are aware, we have been actively expanding and developing the productive acreage in this unit. In 1977, a successful development program was completed with a total of 21 Delaware producers currently on line. To date, the field has produced about 480,000 gross barrels of oil and is currently producing approximately 800 gross barrels of oil per day.

We respectfully request that a 1978 Plan of Development be approved calling for no additional Delaware development tests and continuous monitoring of performance in drilling activity in the area. If performance or activity indicates future development possibilities, we will advise you of our plans to explore these possibilities. Your favorable consideration of the foregoing at your earliest convenience will be appreciated.

Yours very truly,

J. L. Hoyt, Jr.  
Production Coordination Superintendent

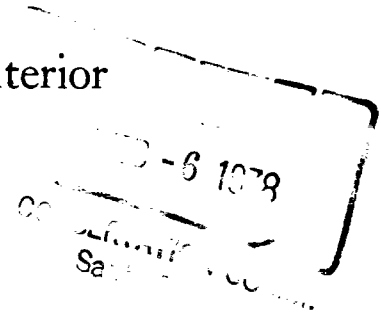
MC/caw  
5/217



# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125



FEB 03 1978

Amoco Production Company  
Attention: Mr. J. L. Hoyt, Jr.  
P. O. Box 3092  
Houston, Texas 77001

5029

Gentlemen:

On this date, your 1978 plan of development and operation for the Old Indian Draw unit area, Eddy County, New Mexico, was approved. Therein you propose no additional drilling in the unit, but plan instead to monitor drilling activity in the area for future unit development possibilities.

This approval is subject to like approval by the appropriate State officials.

One approved copy is enclosed.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Area Oil and Gas Supervisor

Enclosure

cc:  
NMOCC, Santa Fe (ltr. only) ← [initials] This copy for



# United States Department of the Interior

GEOLOGICAL SURVEY

P. O. Box 26124  
Albuquerque, New Mexico 87125

2-6-1978  
Conservation Commission  
Santa Fe

FEB 03 1978

Perry R. Bass  
Attention: Mr. Wm. Arthur Hamilton  
Fort Worth National Bank Building  
Fort Worth, Texas 76102

Gentlemen:

Three approved copies of your 1978 plan of development for the Poker Lake unit area, Eddy County, New Mexico, are enclosed. Such plan, proposing the drilling of no additional wells, but to conduct approximately 100 miles of Seismic in order to select possible drilling sites, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

AREA OIL AND GAS SUPERVISOR, SRMA

Enclosures

cc:  
NMOCC, Santa Fe (1tr. only) ← This Copy for  
Com. Pub. Lands, Santa Fe (1tr. only)





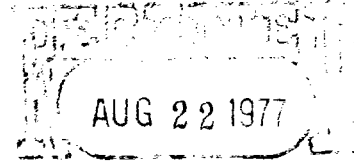
# United States Department of the Interior

GEOLOGICAL SURVEY  
Drawer 1857  
Roswell, New Mexico 88201

August 17, 1977

Amoco Production Company  
Attention: Mr. A. R. Reed  
P. O. Box 3092  
Houston, Texas 77001

20,5029



OIL CONSERVATION COMMISSION  
Santa Fe

Gentlemen:

Your application of June 28, 1977, requesting approval of the eighth and ninth revisions of the Delaware participating area for the Old Indian Draw unit agreement, Eddy County, New Mexico, No. 14-08-0001-12405, was approved on this date by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective February 1, 1977, and March 1, 1977, respectively. Such approval is subject to like approval by the New Mexico Oil Conservation Commission.

The eighth revision adds 40.00 acres described as the NW~~1/4~~ sec. 18, T. 22 S., R. 28 E., N.M.P.M., which enlarges the Delaware participating area to 533.78 acres. Such revision is based on the completion of unit well No. 15 located in this same 40.00 acres, as a paying well pursuant to Section 9 of the unit agreement.

The ninth revision adds 34.44 acres described as lot 3, sec. 7, T. 22 S., R. 28 E., N.M.P.M., further enlarging the Delaware participating area to 568.22 acres. Such revision is based on the completion of unit well No. 16 located in the subject lot 3, as a paying well pursuant to Section 9 of the unit agreement.

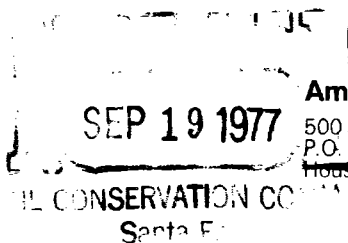
Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

CARL C. TRAYWICK  
Acting Area Oil and Gas Supervisor

Enclosure

cc:  
BLM, Santa Fe (ltr. only)  
NMOCC, Santa Fe (Ltr. only) ← This Copy for



**Ampco Production Company**

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

September 12, 1977

File: CGF(17)-3740-LF

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

*No. 5029*

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

Gentlemen:

This is to advise that the United States Geological Survey (USGS) has approved the Eighth and Ninth Expansions of the Delaware Participating Area for the Old Indian Draw Unit, Eddy County, New Mexico. Attached, for your records, is a copy of USGS letter dated August 17, 1977.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J. L. Hoyt, Jr." with a flourish at the end.

J. L. Hoyt, Jr.  
Production Coordination Superintendent

WVR/jaw  
1/233

Attachment



United States Department of the Interior

GEOLOGICAL SURVEY

Drawer 1857 CONSERVATION COMMISSION  
Roswell, New Mexico 88201

August 1, 1977

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E.E.H.	
A.R.R.	
J.A.D.	
R.C.J.	
S.R.B.	
C.G.F.	
J.W.P.	10
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Amoco Production Company  
Attention: Mr. A. R. Reed  
P. O. Box 3092  
Houston, Texas 77001

Gentlemen:

Your application of June 28, 1977, requesting approval of the eighth and ninth revisions of the Delaware participating area for the Old Indian Draw unit agreement, Eddy County, New Mexico, No. 14-08-0001-12405, was approved on this date by the Acting Area Oil and Gas Supervisor, U. S. Geological Survey, effective February 1, 1977, and March 1, 1977, respectively. Such approval is subject to like approval by the New Mexico Oil Conservation Commission.

The eighth revision adds 40.00 acres described as the NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 18, T. 22 S., R. 28 E., N.M.P.M., which enlarges the Delaware participating area to 533.78 acres. Such revision is based on the completion of unit well No. 15 located in this same 40.00 acres, as a paying well pursuant to Section 9 of the unit agreement.

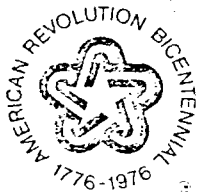
The ninth revision adds 34.44 acres described as lot 8, sec. 7, T. 22 S., R. 28 E., N.M.P.M., further enlarging the Delaware participating area to 568.22 acres. Such revision is based on the completion of unit well No. 16 located in the subject lot 8, as a paying well pursuant to Section 9 of the unit agreement.

Copies of the approved application are being distributed to the appropriate Federal offices and one approved copy is 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

Enclosure



OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

5029

July 14, 1977

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

Re: Eighth and Ninth Expansions  
Delaware Participating Area  
Old Indian Draw Unit  
Eddy County, New Mexico

C  
Gentlemen:

P  
This is to advise that the New Mexico Oil Conservation  
Commission has this date approved the Eighth and Ninth  
Expansions of the Delaware Participating Area for the Old  
Indian Draw Unit, Eddy County, New Mexico, subject to like  
approval by the United States Geological Survey.

Two approved copies of the application are returned  
herewith.

Very truly yours,

Y  
JOE D. RAMEY  
Secretary-Director

JR/JEK/jr

cc: U.S.G.S. - Roswell



**Amoco Production Company**

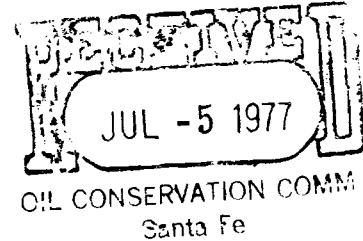
500 Jefferson Building  
P.O. Box 3092  
Houston, Texas 77001

A. R. Reed  
Division Operations  
Superintendent

June 28, 1977

File: CGF(17)-2478-LF

Re: Delaware Participating  
Area Expansions  
Old Indian Draw Unit  
Eddy County, New Mexico



Mr. Carl C. Traywick (3)  
Assistant Area Oil and Gas Supervisor  
United States Department of the Interior  
Geological Survey  
P. O. Drawer 1857  
Roswell, NM 88201

Mr. James E. Kapteina (3)  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, NM 87501

Gentlemen:

Amoco Production Company, as operator of the Old Indian Draw Unit, Eddy County, New Mexico, hereby requests your approval of the eighth and ninth expansions of the Delaware Participating Area. The appropriate participating schedules after each expansion are attached. Also attached is a map which graphically portrays both expansions.

Recommendation of the Eighth Expansion is based on the completion of Well No. 15 in NW/4, NE/4 of Section 18 on February 9, 1977, pumping 16 barrels of oil and 52 barrels of water per day. This well has performed satisfactorily since its completion.

Recommendation of the Ninth Expansion is based on the completion of Well No. 16 in Lot 8 of Section 7 on March 17, 1977, pumping 80 barrels of oil and 20 barrels of water per day. This well is currently a top allowable producer.

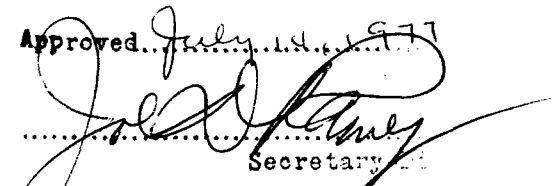
File: CGF(17)-2478-LF  
Page 2  
June 28, 1977

Your favorable consideration of the two recommendations is respectfully requested.

Yours very truly,

ORIGINAL SIGNED BY  
A. R. REED

WvR/jt  
2/5145  
Attachments

Approved.....July.....1977  
  
.....  
Secretary  
NEW MEXICO OIL CONSERVATION

OLD INDIAN DRAW UNIT (NO. 522059)

DELAWARE PARTICIPATING ACREAGE SCHEDULE  
AFTER EIGHTH EXPANSION EFFECTIVE FEBRUARY 1, 1977

<u>UNIT TRACT NO.</u>	<u>ACREAGE DESCRIPTION</u>	<u>LEASE NUMBER</u>	<u>NO. ACRES</u>	<u>PARTICIPATION PERCENT-DECIMAL</u>	<u>WELLS NOS. INVOLVED</u>
3	NW/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	40.00	.074937	1
3	SW/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	40.00	.074937	2
2	NW/4 NE/4, Section 19, T22S, R28E	NM-0415461 (USA)	40.00	.074937	3
3	SW/4 NE/4, and Lot 9, Section 18, T22S, R28E	NM-0415688-A (USA)	76.18	.142719	5, 6
3	Lot 8, Lot 12, and SE/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	112.40	.210574	7, 8, 9
3	Lot 5, Section 18, T22S, R28E	NM-0415688-A (USA)	36.38	.068156	10
2	NE/4 NE/4, Section 19, T22S, R28E	NM-0415461 (USA)	40.00	.074937	11
3	Lot 7, Section 18, T22S, R28E	NM-0415688-A (USA)	34.43	.064502	12
3	Lot 6, Section 18, T22S, R28E	NM-0415688-A (USA)	34.39	.064427	13
6	SE/4 SW/4, Section 7, T22S, R28E	Fee-unsigned royalty	40.00	.074937	14
3	NW/4 NE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	<u>40.00</u>	<u>.074937</u>	15
	TOTAL		533.78	1.000000	

OLD INDIAN DRAW UNIT (NO. 522059)

DELAWARE PARTICIPATING ACREAGE SCHEDULE  
AFTER NINTH EXPANSION EFFECTIVE MARCH 1, 1977

<u>UNIT TRACT NO.</u>	<u>ACREAGE DESCRIPTION</u>	<u>LEASE NUMBER</u>	<u>NO. ACRES</u>	<u>PARTICIPATION PERCENT-DECIMAL</u>	<u>WELLS NOS. INVOLVED</u>
3	NW/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	40.00	.070395	1
3	SW/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	40.00	.070395	2
2	NW/4 NE/4, Section 19, T22S, R28E	NM-0415461 (USA)	40.00	.070395	3
3	SW/4 NE/4, and Lot 9, Section 18, T22S, R28E	NM-0415688-A (USA)	76.18	.134068	5, 6
3	Lot 8, Lot 12, and SE/4 SE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	112.40	.197811	7, 8, 9
3	Lot 5, Section 18, T22S, R28E	NM-0415688-A (USA)	36.38	.064025	10
2	NE/4 NE/4, Section 19, T22S, R28E	NM-0415461 (USA)	40.00	.070395	11
3	Lot 7, Section 18, T22S, R28E	NM-0415688-A (USA)	34.43	.060593	12
3	Lot 6, Section 18, T22S, R28E	NM-0415688-A (USA)	34.39	.060522	13
6	SE/4 SW/4, Section 7, T22S, R28E	Fee-unsigned royalty	40.00	.070395	14
3	NW/4 NE/4, Section 18, T22S, R28E	NM-0415688-A (USA)	40.00	.070395	15
4	Lot 8, Section 7, T22S, R28E	NM-0429825 (USA)	<u>34.44</u>	<u>.060611</u>	16
TOTAL			568.22	1.000000	