BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL COMSERVATION COMMISSION OF THE STATE OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 1196 Order No. R-966

APPLICATION OF THE IREX COMPANY
FOR AN ORDER AUTHORIZING TWO
SEPARATE PILOT WATER FLOOD PROJECTS
IN THE GRAYBURG FORMATION UNDERLYING
SECTIONS 21, 28 AND 32 OF TOWNSHIP
18 SOUTH, RANGE 28 EAST, NMPM, ARTESIA
POOL, EDDY COUNTY, NEW MEXICO, AND
FURTHER AUTHORIZING THE UNORTHODOX
LOCATION OF A MUMBER OF THE APPLICANT'S
WELLS IN THE ARTESIA POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on January 9, 1957, at Santa Fe, New Mexico, before Warren W. Mankin, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 29th day of March, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Warren W. Mankin, and being fully advised in the premises,

FINDS:

- 1. That due notice having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
- 2. That the applicant, the Ibex Company, proposes to institute two separate pilot water flood projects in the Grayburg formation underlying Sections 21, 28 and 32 of Township 18 South, Range 28 East, NMPM, Artesia Pool, Eddy County, New Mexico, to be known as Ibex Artesia Pilot Flood Projects No. 2 and No. 3.
- 3. That the applicant proposes to accomplish the said pilot flooding operation in Project No. 2 by means of water injection through six wells located in the SE/4 SW/4 of Section 21 and NW/4 NE/4, NE/4 NW/4 of Section 28, all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.
- 4. That the applicant proposes to accomplish the said pilot water flooding operation in Project No. 3 by means of water injection through four wells located in the N/2 NW/4 of Section 32, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

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- 5. That the proposed programs for secondary recovery will promote conservation and tend to prevent waste through the production of oil which might not otherwise be recovered.
- 6. That the progress of each of the above-referenced secondary recovery programs should be reported periodically to the Commission.
- 7. That the unorthodox locations of the applicant's wells in the area affected by the proposed water flood projects should be approved in order to facilitate the operation of the said projects.

IT IS THEREFORE ORDERED:

1. That the application of the Ibex Company for permission to institute its Ibex Artesia Pilot Flood Project No. 2, in the Grayburg formation of the Artesia Pool underlying all or part of Sections 21 and 28 of Township 18 South, Hange 28 East, NMPM, Eddy County, New Mexico, be and the same is hereby approved, and that the following Ibex Company wells be and the same are hereby approved as unorthodox locations and water injection wells for said project:

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McNutt State Well No. 2 250 feet from the South line and 2390 feet from the West line of Section 21.

Welch Duke State Well No. 5 750 feet from the North line and 2390 feet from the West line of Section 28.

Welch Duke State Well No. 7 250 feet from the North line and 1890 feet from the West line of Section 28.

Malco-Resier-Yates Well No.13-250 feet from the North line and 2900 feet from the West line of Section 28.

Malco-Resier-Yates Well No.18-1300 feet from the North line and 2900 feet from the West line of Section 28.

Malco-Resler-Yates Well No.51-500 feet from the North line and 3450 feet from the West line of Section 28.

all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

2. That the application of Ibex Company for permission to institute its Ibex Artesia Pilot Flood Project No. 3 in the Grayburg formation of the Artesia Pool underlying all or part of Section 32, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico, be and the same is hereby approved, and that the following Ibex Company wells be and the same are hereby approved as unorthodox locations and water injection wells for said project:

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Malco-Resier-Yates Well No. 4 550 feet from the North line and 1570 feet from the West line of Section 32.

Malco-Resler-Yates Well No. 5 1950 feet from the North line and 950 feet from the West line of Section 32.

Malco-Resler-Yates Well No. 6 100 feet from the North line and 1050 feet from the West line of Section 32.

Malco-Resier-Yates Well No. 7 550 feet from the North line and 450 feet from the West line of Section 32,

all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

- 3. That monthly progress reports on each of the above-referenced water fleed projects shall be submitted to the Commission in accordance with Rule 1119 of the Commission Rules and Regulations.
- 4. That the unorthodox locations of the following Ibex Company wells be and the same are hereby approved in addition to the injection wells listed in paragraph 1 and 2 above:

McNutt State #3 250 feet from the South line and 1900 feet from the West line of Section 21.

McNutt State #4 1070 feet from the South line and 2390 feet from the West line of Section 21.

Welch Duke State #3

1320 feet from the North line and 2390 feet from the West line of Section 28.

Welch Duke State #6 250 feet from the North line and 2390 feet from the West line of Section 28.

Welch Duke State #8 250 feet from the North line and 1300 feet from the West line of Section 28.

Welch Duke State #9 800 feet from the North line and 1890 feet from the West line of Section 28.

Malco-Resler-Yates State #3 600 feet from the North line and 1050 feet from the West line of Section 32.

Malco-Resler-Yates State #9 100 feet from the North line and 600 feet from the West line of Section 32.

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Malco-Resier-Yates State #17 750 feet from the North line and

2900 feet from the West line of

Section 28.

Malco-Resler-Yates State #19 1850 feet from the North line and

2900 feet from the West line of

Section 28.

Malco-Resler-Yates State #53 1200 feet from the North line and

1200 feet from the North line and 3450 feet from the West line of

Section 28.

Malco-Resier-Yates State #21 250 feet from the South line and

2900 feet from the West line of

Section 21.

all in Township 18 South, Range 28 East, NMPM, Eddy County, New

Mexico.

DONE at Santa Fe, New Mexico, on the day and year herein-

above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

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MURRAY E. MORGAN, Member

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BEFORE THE CIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF THE IBEX COMPANY FOR AN EMERGENCY ORDER GRANTING A CAPACITY ALLOWABLE FOR ONE WELL IN THE ARTESIA POOL, EDDY COUNTY, HEW MEXICO.

EMERGENCY ORDER NO. E-19

NOW, on this 5th day of May, 1959, the Oil Conservation Commission of New Mexico, a quorum being present, having considered the application of The Ibex Company for an Emergency Order and being fully advised in the premises,

FINDS:

- (1) That The Ibex Company was authorized by Order No. R-966, and amendments therete, to institute the Artesia Water Flood Project No. 2 in the Artesia Poel, Eddy County, New Mexico.
- (2) That the Ibex Company is the operator of the Welch Duke State Well No. 18, located 1260 feet from the North line and 1380 feet from the East line of Section 28, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.
- (3) That there is a reasonable probability that said water flood project has caused an increase in the producing capacity of the above-described well to the extent that it is now capable of producing in excess of the top unit allowable for the Artesia Pool.
- (4) That there is a possibility that waste will occur if the production from the above-described well is curtailed.
- (5) That an emergency exists which requires the promulgation of an order, without notice and hearing, to eliminate the possibility of waste occurring as a result of a curtailment of the production from said well.
- (6) That a hearing should be held on May 20, 1959, to determine whether waste will actually result if the production from the said well is curtailed.
- (7) That in the event the applicant fails to prove that waste will be caused if the production from the above-described well is curtailed, then any oil produced from said well in excess of the normal unit allowable shall be charged against the future allowable for said well.

IT IS THEREFORE ORDERED:

(1) That the Welch Duke State Well No. 18, located 1260 feet from the North line and 1380 feet from the East line of Section 28

Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico, be granted an allowable equal to its capacity to produce, effective May 5, 1959.

- (2) That this order shall become effective at 7 o'clock a.m. Mountain Standard Time on May 5, 1959.
- (3) That a hearing shall be held at 9 o'clock a.m. Mountain Standard Time on May 20, 1959, to permit the applicant to appear and show cause why the above-described well should be granted a capacity allowable.
- (4) That in the event the applicant fails to prove that waste will be caused if the production from the above-described well is curtailed, then any oil produced from said well in excess of the normal unit allowable shall be charged against the future allowable for said well.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

John BURROUGHS, Chairman

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MURRAY E. MORGAN, Member



BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER CONCERNING CAPACITY ALLOWABLES FOR CERTAIN WELLS WITHIN TWO PILOT WATER FLOOD AREAS IN THE ARTESIA POOL, IN EDDY COUNTY, NEW MEXICO.

EMERGENCY ORDER NO. E-10

NOW, on this day of May, 1958, the New Mexico Oil Conservation Commission, a quorum being present, having considered the application of The Ibex Company for an emergency order and being fully advised in the premises,

FINDS:

- (1) That The Ibex Company is the owner of certain properties situated within two pilot water flood project areas in the Grayburg formation of the Artesia Pool, Eddy County, New Mexico, which pilot water flood projects were authorized by Order No. R-966, dated March 29, 1957.
- (2) That said pilot water flood projects have caused an increase in the producing capacities of sixteen oil wells in the above-referenced pilot areas to the extent that they are now, or soon may be, capable of producing in excess of the top unit allowable for the Artesia Pool.
- (3) That there is a reasonable probability that waste will occur if production from the above-referenced wells is restricted.
- (4) That an emergency exists which requires the promulgation of an order, without notice and hearing, to eliminate the possibility of waste occurring.
- (5) That a hearing should be held on May 20, 1958, to determine whether waste will actually occur if production from the aforementioned wells is restricted.
- (6) That in the event the applicant fails to prove that waste will occur if the production from the aforementioned wells is restricted, then any oil produced from said wells in excess of the normal allowables therefor should be charged against future allowables for said wells.

IT IS THEREFORE ORDERED:

(1) That the following described wells be assigned allowables equal to their capacity to produce, to-wit:

INEX-ARTESIA PILOT FLOOD PROJECT NO. 2:

McNutt-State No. 3 250 feet from the South line and 1900 feet from the West line of Section 21

McNutt-State No. 4 1070 feet from the South line and 2390 feet from the West line of Section 21

New Mexico.

Welch-Duke State No. 3	1320 feet from the North line and 2390 feet from the West line of Section 28
Welch-Duke State No. 6	250 feet from the North line and 2390 feet from the West line of Section 28
Welch-Duke State No. 8	250 feet from the North line and 1300 feet from the West line of Section 28
Welch-Duke State No. 9	800 feet from the North line and 1890 feet from the West line of Section 28
Welch-Duke State No. 11	1850 feet from the North line and 1900 feet from the West line of Section 28
Welch-Duke State No. 18	1320 feet from the North line and 1890 feet from the West line of Section 28
Malco-Resier-Yates-	
State No. 17	750 feet from the North line and 2380
	feet from the East line of Section 28
Malco-Resier-Yates-	
State No. 19	1850 feet from the North line and 2380
	feet from the East line of Section 28
Malco-Resier-Yates-	
State No. 21	250 feet from the South line and 2380
	feet from the East line of Section 21
Malco-Resier-Yates-	•
State No. 22	1050 feet from the South line and 2380
	feet from the East line of Section 21
Malco-Resler-Yates-	
State No. 46	20 feet from the South line and 1780
	feet from the East line of Section 21
Malco-Resler-Yates-	
State No. 53	1200 feet from the North line and 1830
	feet from the East line of Section 28

IBEX-ARTESIA PILOT FLOOD PROJECT NO. 3:

Malco-Resler-Yates- State No. 3	600 feet from the North line and 1050 feet from the West line of Section 32
Malco-Resler-Yates- State No. 9	100 feet from the North line and 600 feet from the West line of Section 32
all in Townskin 18 South	. Range 28 East. Artesia Pool. Eddy Count

- (2) That this order shall become effective at 7 o'clock a.m. Mountain Standard Time on May 7, 1958.
- (3) That a hearing be held at 9 o'clock a.m. on May 20, 1958, at Santa Fe, New Mexico to permit the applicant to appear and show cause why the above-described wells should be granted capacity allowables.
- (4) That in the event the applicant fails to prove that waste will occur if the production from the above-described wells is restricted, then any eil produced from said wells in excess of the normal allowables therefor shall be charged against future allowables for said wells.

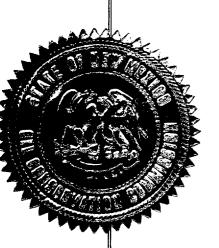
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM. Chairman

MURRAY E. MORGAN, Member

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BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 1196 Order No. R-966-C

APPLICATION OF THE IBEX COMPANY FOR PERMISSION TO EXPAND A WATER FLOOD PROJECT IN THE ARTESIA POOL, EDDY COUNTY, NEW MEXICO, AND FOR EIGHT UNORTHODOX WELL LOCATIONS.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 4, 1959, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 12th day of February, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, The Ibex Company, was authorized by Order No. R-966 to institute the Artesia Pilot Water Flood Project No. 2 in the Artesia Pool, Eddy County, New Mexico, and that expansion of said project was authorized by Order No. R-966-B.
- (3) That the applicant now seeks permission to expand said Artesia Water Flood Project No. 2 by drilling or redrilling the two following-described wells and converting them to water injection wells:

Weich Duke State Well No. 15, located 288 feet from the North line and 272 feet from the West line of Section 28

-2-Case No. 1196 Order No. R-966-C

Resler Yates State Well No. 301, located 1322 feet from the North line and 1322 feet from the East line of Section 28,

both in Township 18 South, Range 28 East, NMPN, Eddy County, New Mexico.

(4) That the applicant further seeks an order authorizing unorthodox locations for the following-described wells:

Welch Duke State Well No. 15, located 288 feet from the North line and 272 feet from the West line of Section 28.

Weich Duke State Well No. 18, located 1260 feet from the North line and 1380 feet from the West line of Section 28,

Welch Duke State Well No. 19, located 1190 feet from the North line and 860 feet from the West line of Section 28.

Weich Duke State Well No. 20, located 1800 feet from the North line and 1370 feet from the West line of Section 28.

McMutt State Well No. 1, located 282 feet from the South line and 293 feet from the West line of Section 21,

McNutt State Well No. 9, located 970 feet from the South line and 1170 feet from the West line of Section 21,

Resier Yates State Well No. 26, located 2390 feet from the North line and 1860 feet from the East line of Section 28,

Resler Tates State Well No. 301, located 1322 from the North line and 1322 feet from the East line of Section 28,

all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(5) That the subject application should be approved in the interest of conservation.

IT IS THEREFORE ORDERED:

(1) That the applicant, The Ibex Company, be and the same

-3-Case No. 11**96** Order No. R-**966**-C

is hereby authorized to drill or redrill the following-described wells and to utilize same as water injection wells:

Welch Duke State Well No. 15, located 288 feet from the North line and 272 feet from the West line of Section 28,

Resler Yates State Well No. 301, located 1322 feet from the North line and 1322 feet from the East line of Section 28,

both in Township 18 South, Range 28 East, NMPH, Eddy County, New Mexico.

(2) That unorthodox locations be and the same are hereby authorized for the following-described wells:

Welch Duke State Well No. 15, located 288 feet from the North line and 272 feet from the West line of Section 28,

Welch Duke State Well No. 18, located 1260 feet from the North line and 1380 feet from the West line of Section 28,

Welch Duke State Well No. 19, located 1190 feet from the North line and 860 feet from the West line of Section 28,

Welch Duke State Well No. 20, located 1800 feet from the North line and 1370 feet from the West line of Section 28.

McMutt State Well No. 1, located 282 feet from the South line and 293 feet from the West line of Section 21,

McNutt State Well No. 9, located 970 feet from the South line and 1170 feet from the West line of Section 21,

Resler Yates State Well No. 26, located 2390 feet from the North line and 1860 feet from the East line of Section 28,

Resler Yates State Well No. 301, located 1322 feet from the North line and 1322 feet from the East line of Section 28,

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all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

JOHN BURROUGHS, Chairman

MURRAY E. MORGAN, Member



BEFORE THE OIL COMSERVATION COMMISSION OF THE STATE OF MEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE NO. 1196 Order No. R-966-A

APPLICATION OF THE IBEX COMPANY FOR CAPACITY ALLOWABLES AND FOR APPROVAL OF UNDETHODOX LOCATIONS FOR CERTAIN WELLS IN PILOT WATER FLOOD PROJECTS IN THE ARTESIA POOL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 c'clock a.m. on May 20, 1958, at Santa Fe, New Mexico, before Daniel S. Nutter, Examiner duly appointed by the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

MOW, on this 26th day of May, 1958, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, Daniel S. Nutter, and being fully advised in the premises.

PINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the Ibex Company is the owner of certain properties situated within two pilot water flood project areas in the Grayburg formation of the Artesia Pool in Eddy County, New Mexico, which pilot water flood projects were authorized by Order No. R-966, date. March 29, 1957.
- (3) That sixteen producing oil wells in the abovereferenced pilot areas have been, or soon may be, affected by the
 said pilot water flood projects, and that said wells are now, or
 soon may be, capable of producing in excess of the top unit allowable for the Artesia Pool.
- (4) That the prependerance of the evidence presented in this case indicates that waste would occur if the production from the above-referenced wells were restricted.

-2-Case No. 1196 Order No. R-966-A

(5) That the applicant is the owner and operator of the following-described oil wells in the above-referenced pilot areas which are on unorthodox locations under the terms of Rule 104 of the Commission Rules and Regulations, to-wit:

Malco-Resler-Yates State No. 22 Well, located 1050 feet from the South line and 2380 feet from the East line of Section 21:

Malco-Resier-Yates State No. 46 Well, located 20 feet from the South line and 1780 feet from the East line of Section 21:

Welch-Duke State No. 11 Well, located 1850 feet from the North line and 1900 feet from the West line of Section 28;

Welch-Duke State No. 16 Well, located 1320 feet from the North line and 1890 feet from the West line of Section 28;

all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico.

(6) That the unorthodox locations of the above-described locations should be approved in order to facilitate the operation of the aforementioned pilot water flood projects.

IT IS THEREFORE ORDERED:

(1) That the following described wells be assigned allowables effective at 7:00 o'clock a.m. Mountain Standard Time, May 22, 1958, equal to their capacity to produce to-wit:

IBEX-ARTESIA PILOT FLOOD PROJECT NO. 2:

McNutt-State No. 3	250 feet from the South line and 1900 feet from the West line of Section 21
McNutt-State No. 4	1070 feet from the South line and 2390 feet from the West line of Section 21
Welch-Duke State No. 3	1320 feet from the North line and 2390 feet from the West line of Section 28
Welch-Duke State No. 6	250 feet from the North line and 2390 feet from the West line of Section 28
Welch-Duke State No. 8	250 feet from the North line and 1300 feet from the West line of Section 28
Welch-Duke State No. 9	800 feet from the North line and 1890 feet from the West line of Section 28
Welch-Duke State No. 11	1850 feet from the North line and 1900 feet from the West line of Section 28
Welch-Duke State No. 16	1320 feet from the North line and 1890 feet from the West line of Section 28

-3-Case No. 1196 Order No. R-966-A

Malco-Resler-Yates-State No. 17 750 feet from the North line and 2380 feet from the East line of Section 28

Malco-Resier-Yates-State No. 19 1850 feet from the North line and 2380 feet from the East line of Section 28

Malco-Resler-Yates-State No. 21

250 feet from the South line and 2380 feet from the East line of Section 21

Malco-Resler-Yates-State No. 22

1050 feet from the South line and 2380 feet from the East line of Section 21

Malco-Resier-Yates-State No. 46 20 feet from the South line and 1780 feet from the East line of Section 21

Malco-Resler-Yates-State No. 53 1200 feet from the North line and 1830 feet from the East line of Section 28

IBEX-ARTESIA PILOT FLOOD PROJECT NO. 3:

Malco-Resier-Yates-State No. 3 600 feet from the North line and 1050 feet from the West line of Section 32

Malco-Resler-Yates-State No. 9 100 feet from the North line and 600 feet from the West line of Section 32

all in Township 18 South, Range 28 East, NMPM, Artesia Pool, Eddy County, New Mexico.

(2) That the unorthodox locations of the following described wells be and the same is hereby approved:

Malco-Resier-Yates State No. 22 Well, located 1050 feet from the South line and 2380 feet from the East line of Section 21;

Malco-Resler-Yates State No. 46 Well, located 20 feet from the South line and 1780 feet from the East line of Section 21;

Welch-Duke State No. 11 Well, located 1850 feet from the North line and 1900 feet from the West line of Section 28;

Welch-Duke State No. 16 Well, located 1320 feet from the North line and 1890 feet from the West line of Section 28;

all in Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

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MURRAY E. MORGAN, Member

A. L. PORTER, Jr., Member & Secretary

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