

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. 1225  
Order No. R-975

APPLICATION OF MOAB DRILLING COMPANY  
FOR AUTHORIZATION TO INSTITUTE A  
PILOT WATER FLOOD PROJECT THROUGH  
6 WELLS IN SECTIONS 15 AND 16 OF  
TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM,  
HIGH LONESOME POOL, EDDY COUNTY, NEW  
MEXICO, AND FURTHER FOR APPROVAL OF  
UNORTHODOX LOCATIONS FOR THE INJECTION  
WELLS.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10 o'clock a.m. on March 20, 1957, 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.

NOW, on this 12<sup>th</sup> day of April, 1957, 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,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.

(2) That the applicant, Moab Drilling Company, proposes to institute a pilot water flood project in the Queen Sand underlying certain of its leases in the High Lonesome Pool, Eddy County, New Mexico.

(3) That the applicant proposes to accomplish the said water flooding operation by means of water injection through its Davis Federal Wells Nos. 12 and 22 located in Section 15, Township 16 South, Range 29 East, and its Skelly-State Wells Nos. 13, 14, 23, and 24, located in Section 16, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

(4) That the proposed program for secondary recovery will promote conservation and tend to prevent waste through the production of oil which might not otherwise be recovered.

(5) That the progress of the program should be reported periodically to the Commission.

(6) That the unorthodox location of the applicant's aforementioned injection wells should be approved in order to facilitate the operation of the project.

IT IS THEREFORE ORDERED:

1. That the application of Moab Drilling Company for permission to institute a pilot water flood project in the Queen sand underlying Sections 15 and 16, Township 16 South, Range 29 East, NMPM, High Lonesome Pool, Eddy County, New Mexico, be and the same is hereby granted.

2. That the following Moab Drilling Company wells be and the same are hereby approved as unorthodox locations and water injection wells:

No. 12-W Davis Federal	1310 feet from the North line and 1310 feet from the West line of Section 15.
No. 22-W Davis Federal	2630 feet from the North line and 1310 feet from the West line of Section 15.
No. 13-W Skelly-State	1310 feet from the North line and 10 feet from the East line of Section 16.
No. 14-W Skelly-State	1310 feet from the North line and 1330 feet from the East line of Section 16.
No. 23-W Skelly-State	2630 feet from the North line and 10 feet from the East line of Section 16.
No. 24-W Skelly-State	2630 feet from the North line and 1330 feet from the East line of Section 16,

all in Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

3. That monthly progress reports on the subject water flood project be submitted to the Commission in accordance with Rule 1119 of the Commission Rules and Regulations.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*[Signature]*  
EDWIN L. MECHEM, Chairman

*[Signature]*  
MURRAY E. MORGAN, Member

*[Signature]*  
A. L. PORTER, Jr., Member & Secretary



BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW 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. 1225  
Order No. R-975-A

APPLICATION OF MOAB DRILLING COMPANY  
AND UTEX EXPLORATION COMPANY, INC.,  
FOR AUTHORITY TO PRODUCE AT CAPACITY  
CERTAIN WELLS IN AN APPROVED PILOT  
WATER FLOOD PROJECT IN SECTIONS 15 AND  
16, TOWNSHIP 16 SOUTH, RANGE 29 EAST,  
NMPM, HIGH LONESOME POOL, EDDY COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 6, 1957, at Santa Fe, New Mexico, before A. L. Porter, Jr., 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.

NOW, on this 6<sup>th</sup> day of December, 1957, the Commission, a quorum being present, having considered the application, the evidence adduced and the recommendations of the Examiner, A. L. Porter, Jr., 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 Moab Drilling Company was authorized by Order No. R-975, dated April 12, 1957, to institute a pilot water flood project in Sections 15 and 16, Township 16 South, Range 29 East, NMPM, High Lonesome Pool, Eddy County, New Mexico.
- (3) That the aforementioned pilot water flood project has caused an increase in the producing capacity of certain of the wells in said pilot area to the extent that they are now capable of producing in excess of the top unit allowable for the High Lonesome Pool.
- (4) That permission is sought to produce the hereinafter described wells in the aforementioned pilot area at capacity, on the grounds that the production from said wells cannot be curtailed without causing a reduction in the ultimate recovery of oil, to-wit:

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Order No. R-975-A

		Unit Letter S. T. R.	
Moab Drilling Company	Davis Federal No. 2 Well	E	15-16S-29E
Moab Drilling Company	Davis Federal No. 3 Well	D	15-16S-29E
Moab Drilling Company	Davis Federal No. 5 Well	F	15-16S-29E
Moab Drilling Company	Davis Federal No. 6 Well	C	15-16S-29E
Moab Drilling Company	Skelly-State No. 10 Well	L	15-16S-29E
Utex Exploration Co., Inc.	Donahue No. 2 Well	K	15-16S-29E
Moab Drilling Company	Skelly-State No. 6 Well	G	16-16S-29E
Moab Drilling Company	Skelly-State No. 7 Well	H	16-16S-29E
Moab Drilling Company	Skelly-State No. 8 Well	A	16-16S-29E
Moab Drilling Company	Skelly-State No. 9 Well	I	16-16S-29E
Moab Drilling Company	State No. 1 Well	J	16-16S-29E

(5) That the preponderance of the evidence presented in this case indicates that waste would occur if the production from the above-described wells were restricted.

(6) That said wells should be permitted to produce at capacity.

IT IS THEREFORE ORDERED:

(1) That the following described wells be granted an allowable equal to their capacity to produce, to-wit:

		Unit Letter S. T. R.	
Moab Drilling Company	Davis Federal No. 2 Well	E	15-16S-29E
Moab Drilling Company	Davis Federal No. 3 Well	D	15-16S-29E
Moab Drilling Company	Davis Federal No. 5 Well	F	15-16S-29E
Moab Drilling Company	Davis Federal No. 6 Well	C	15-16S-29E
Moab Drilling Company	Skelly-State No. 10 Well	L	15-16S-29E
Utex Exploration Co., Inc.	Donahue No. 2 Well	K	15-16S-29E
Moab Drilling Company	Skelly-State No. 6 Well	G	16-16S-29E
Moab Drilling Company	Skelly-State No. 7 Well	H	16-16S-29E
Moab Drilling Company	Skelly-State No. 8 Well	A	16-16S-29E
Moab Drilling Company	Skelly-State No. 9 Well	I	16-16S-29E
Moab Drilling Company	State No. 1 Well	J	16-16S-29E

(2) That this order shall become effective at 7 o'clock a.m., Mountain Standard Time, on December 9, 1957.

(3) That the Commission hereby retains jurisdiction in this cause to amend or revoke all or any part of this order, and further, to enter any additional order or orders deemed necessary.

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

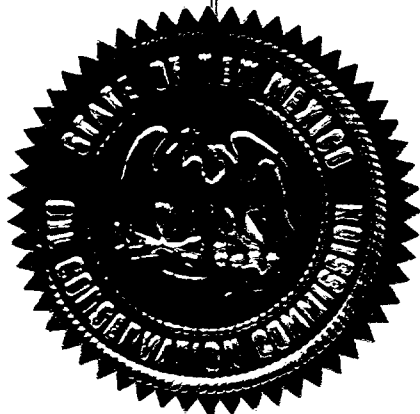
STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
MURRAY E. MORGAN, Member

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

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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. 1225  
Order No. R-975-B

APPLICATION OF MOAB DRILLING COMPANY  
AND UTEX EXPLORATION COMPANY FOR AN  
ORDER AMENDING ORDER NO. R-975 TO  
PERMIT THE CONVERSION OF AN ADDITIONAL  
WATER INJECTION WELL IN ITS PILOT WATER  
FLOOD PROJECT IN THE HIGH LONESOME POOL,  
EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 28, 1958, 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 18<sup>th</sup> day of June, 1958, 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 Moab Drilling Company was authorized by Commission Order No. R-975, dated April 12, 1957, to institute a pilot water flood project in Sections 15 and 16 of Township 16 South, Range 29 East, NMPM, in the High Lonesome Pool, Eddy County, New Mexico, utilizing six water injection wells.
- (3) That Utex Exploration Company now proposes to convert to water injection its Donohue-Federal No. 3 Well located 990 feet from the South line and 1650 feet from the West line of said Section 15.
- (4) That it is necessary to convert the said Donohue-Federal No. 3 Well to water injection inasmuch as the Donohue-Federal No. 2 Well in the NE/4 SW/4 of said Section 15 has begun to produce water and that further delay of the conversion of the said Donohue-Federal No. 3 Well would result in waste.

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(5) That the subject application should be approved.

IT IS THEREFORE ORDERED:

That the application of Moab Drilling Company and Utex Exploration Company for permission to convert to a water injection well the Utex Exploration Company Donohue-Federal No. 3 Well, located 990 feet from the South line and 1650 feet from the West line of Section 15, Township 16 South, Range 29 East, NMPM, in the High Lonesome Pool, Eddy County, New Mexico, be and the same is hereby approved.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION



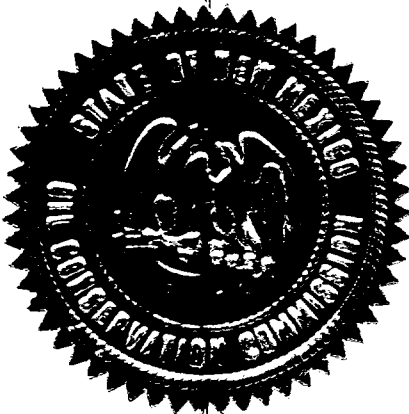
EDWIN L. MECHEM, Chairman



MURRAY E. MORGAN, Member



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



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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. 1225  
Order No. R-975-C

APPLICATION OF MOAB DRILLING COMPANY  
FOR PERMISSION TO EXPAND AN EXISTING  
WATER FLOOD PROJECT IN THE HIGH LONE-  
SOME POOL, EDDY COUNTY, NEW MEXICO,  
BY THE DRILLING OF A WATER INJECTION  
WELL ON AN UNORTHODOX LOCATION AND FOR  
THE ESTABLISHMENT OF A PROCEDURE WHEREBY  
FOUR ADDITIONAL INJECTION WELLS MAY BE  
DRILLED ON UNORTHODOX LOCATIONS AFTER  
ADMINISTRATIVE APPROVAL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on October 2, 1958, 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 25<sup>th</sup> day of October, 1958, 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 Commission by Order No. R-975 authorized the applicant, Moab Drilling Company, to institute a pilot water flood project in the High Lonesome Pool, Eddy County, New Mexico, and that expansion of said project was authorized by Order No. R-975-B.

(3) That the applicant seeks an order authorizing it to expand the above-mentioned pilot water flood project by drilling a water injection well 1310 feet from the North line and 2630 feet from the West line of Section 15, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico, said well to be known as the Davis-Federal Well No. 11-W.

(4) That it is in the best interest of conservation to permit the drilling of said Davis-Federal Well No. 11-W as a water injection well.

(5) That the applicant further proposes that it be authorized to drill the following-described water injection wells on unorthodox locations in said project without notice and hearing, subject to administrative approval by the Commission:

Davis-Federal Well No. 1-W; 10 feet from the North line and 2630 feet from the West line of Section 15.

Davis-Federal Well No. 2-W; 10 feet from the North line and 1310 feet from the West line of Section 15.

Skelly-State Well No. 15-W; 1310 feet from the North line and 2630 feet from the West line of Section 16.

Skelly-State Well No. 25-W; 2630 feet from the North line and 2630 feet from the West line of Section 16,

all in Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

(6) That administrative approval for the drilling of any of the water injection wells described in Finding No. (5) should be granted only when it is established to the satisfaction of the Secretary-Director that a producing well offsetting the proposed location of the water injection well has experienced a substantial response to the water flood project.

IT IS THEREFORE ORDERED:

(1) That Moab Drilling Company be and the same is hereby authorized to drill the Davis-Federal Well No. 11-W as a water injection well to be located 1310 feet from the North line and 2630 feet from the West line of Section 15, Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

(2) That Moab Drilling Company be and the same is hereby authorized to drill the following-described water injection wells on unorthodox locations subject to administrative approval by the Commission:

Davis-Federal Well No. 1-W; 10 feet from the North line and 2630 feet from the West line of Section 15.



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Davis-Federal Well No. 2-W; 10 feet from the North line and 1310 feet from the West line of Section 15.

Skelly-State Well No. 15-W; 1310 feet from the North line and 2630 feet from the West line of Section 16.

Skelly-State Well No. 25-W; 2630 feet from the North line and 2630 feet from the West line of Section 16,

all in Township 16 South, Range 29 East, NMPM, Eddy County, New Mexico.

PROVIDED HOWEVER, That administrative approval for the drilling of any of the above-described water injection wells shall be granted only when it is established to the satisfaction of the Secretary-Director that a producing well offsetting the proposed location of the water injection well has experienced a substantial response to the water flood project.

PROVIDED FURTHER, That to obtain administrative approval for the drilling of a water injection well, applicant shall submit to the Commission in triplicate a request for such administrative approval, setting forth therein all the facts pertinent to the need for expansion of the water flood, and attaching thereto Commission Form C-116, showing production tests of the affected well or wells both before and after stimulation by water flood. Applicant shall also attach plats of the water flood project area and immediate surrounding area, indicating thereon the owner of each lease and the location of all water injection wells and producing wells, and shall submit evidence that a copy of the application to expand the water flood project area has been sent to each operator offsetting the proposed expansion.

The Secretary-Director of the Commission may, if in his opinion there is need for the expansion of the water flood project area, authorize said expansion without notice and hearing, provided no offset operator objects to said expansion within fifteen (15) days. The Secretary-Director may grant immediate approval of the

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expansion upon receipt of waivers of objection from all operators offsetting the proposed expansion.

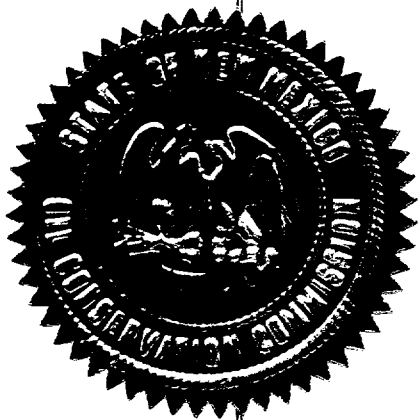
DONE at Santa Fe, New Mexico, on the day and year herein-  
above designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
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