

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. 4202
Order No. R-3823-A

THE REOPENING OF CASE 4202 AT THE
REQUEST OF THE APPLICANT, MOBIL OIL
CORPORATION.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 7, 1970, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 3rd day of February, 1970, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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 Order No. R-3823, issued September 4, 1969, authorized the applicant, Mobil Oil Corporation, to institute a waterflood project in the Langlie Mattix Queen Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen sand formation through 16 wells at orthodox and unorthodox locations in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That said order denied the applicant authority to inject water through a proposed injection well to be drilled at an unorthodox location 660 feet from the North line and 1220 feet from the West line of Section 14 of said Township and Range upon finding that injection through said well may cause waste and may violate the correlative rights of the offset operator to the east of the proposed location.

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(4) That Case 4202 was reopened at the request of Mobil Oil Corporation to reconsider its request to inject water through said proposed injection well.

(5) That in order for the applicant to establish an efficient injection pattern and avoid driving an excessive amount of oil from under its property, there is a need for an injection well near the eastern edge of said Unit D.

(6) That an injection well located 870 feet from the North line and 1270 feet from the West line of said Section 14 will allow the applicant to complete an injection pattern essentially as efficient as the proposed location.

(7) That an injection well located 870 feet from the North line and 1270 feet from the West line of said Section 14 will be a distance of 660 feet from the Atlantic Richfield (Sinclair) Stuart A Well No. 1 located 330 feet from the North line and 1650 feet from the West line of said Section 14.

(8) That the witness for the operator to the east of the proposed location, Atlantic Richfield Company, stated that said operator would not be opposed to an injection well located in said Unit D as long as it were no nearer than 660 feet to said Atlantic Richfield well.

(9) That in order to afford the applicant an opportunity to produce its just and equitable share of the oil in the subject pool and to otherwise prevent waste and protect correlative rights, the applicant should be permitted to drill its proposed injection Well No. 14 at a location 870 feet from the North line and 1270 feet from the West line of said Section 14 in lieu of the proposed location 660 feet from the North line and 1220 feet from the West line of said Section 14.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to drill its Langlie Mattix Queen Unit Area Well No. 14 as an additional injection well in its Langlie Mattix Unit Waterflood Project for the injection of water into the Queen sand formation at an unorthodox location 870 feet from the North line and 1270 feet from the West line of Section 14, Township 25 South, Range 37 East, NMPM, Langlie-Mattix Pool, Lea County, New Mexico.

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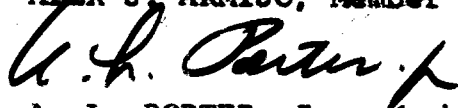
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

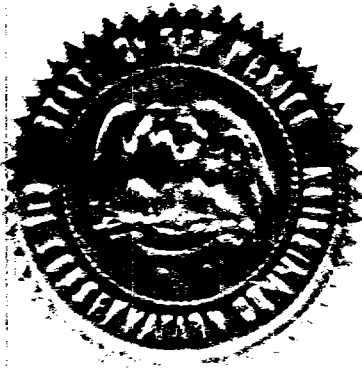
STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO, 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. 4202
Order No. R-3823

APPLICATION OF MOBIL OIL CORPORATION
FOR A WATERFLOOD PROJECT AND UNORTHODOX
INJECTION WELL LOCATIONS, LEA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on August 27, 1969, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 4th day of September, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, 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, Mobil Oil Corporation, seeks permission to institute a waterflood project in the Langlie Mattix Queen Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen sand formation through 17 injection wells at orthodox and unorthodox locations in Sections 10, 11, 14, 15, 22, and 23, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico.

(3) That the applicant further seeks the establishment of an administrative procedure whereby the Secretary-Director of the Commission may authorize additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern without the necessity of showing well response.

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(4) That the wells in the project area are in an advanced state of depletion and should properly be classified as "stripper" wells.

(5) That the injection of water through a well proposed to be drilled 660 feet from the North line and 1220 feet from the West line of said Section 14 may cause waste and may violate the correlative rights of the offset operator to the east of the proposed location.

(6) That the applicant's request to drill an injection well 660 feet from the North line and 1220 feet from the West line of said Section 14 should be denied.

(7) That, subject to Finding No. 6, the proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(8) That, subject to Finding No. 6, the subject application should be approved and the project should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations; provided however, that the showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection, and provided further, that said injection wells are drilled no closer than 330 feet to the outer boundary of the Langlie Mattix Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary.

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to institute a waterflood project in the Langlie Mattix Queen Unit Area, Langlie-Mattix Pool, by the injection of water into the Queen sand formation through the following-described wells at orthodox and unorthodox locations in Township 25 South, Range 37 East, NMPM, Lea County, New Mexico:

Unit Well

<u>No.</u>	<u>Previous Well Name and Number</u>	<u>Unit</u>	<u>Section</u>
7	Mobil-Stuart Tr 1 Well No. 2	P	10
3	To be drilled - 990' FSL & 890' FWL		10
2	To be drilled - 1440' FSL & 1220' FWL		11

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Unit Well		Unit	Section
No.	Previous Well Name and Number		
13	Mobil-Stuart Tr. 5 Well No. 1	D	14
21	Pan American-Langlie "B" Well No. 4	L	14
27	Pan American-Langlie "B" Well No. 3	M	14
11	Mobil-Stuart Tr. 9 Well No. 1	B	15
17	Mobil-Stuart Tr. 9 Well No. 4	H	15
19	Gulf-Westfall Well No. 2	J	15
25	Gulf-Elliott Well No. 1	P	15
15	To be drilled - 1980' FNL & 1730' FWL		15
30	Mobil-Stuart Comm. Well No. 1	A	22
28	To be drilled - 500' FNL & 2540' FEL		22
32	To be drilled - 2530' FNL & 2600' FEL		22
31	Cities Service - Dabbs Well No. 1	D	23
35	Cities Service - Dabbs Well No. 2	E	23

(2) That the subject waterflood project is hereby designated the Mobil Langlie Mattix Unit Waterflood Project and shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve such additional injection wells at orthodox and unorthodox locations within said waterflood project area as may be necessary to complete an efficient injection pattern; provided said wells are drilled no closer than 330 feet to the outer boundary of the Langlie Mattix Queen Unit nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary, and provided further, that the application therefor has been filed in accordance with Rule 701 B of the Commission Rules and Regulations, and provided further, that a copy of the application has been sent to all offset operators, if any there be, and no such operator has objected within 15 days. The showing of well response as required by Rule 701 E-5 shall not be necessary before obtaining administrative approval for the conversion of additional wells to water injection.

(3) That monthly progress reports of the waterflood project herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(4) That that portion of Order No. R-3426, dated June 5, 1968, which approved certain water injection wells in the Langlie Mattix Queen Unit Area is hereby superseded.

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(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

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

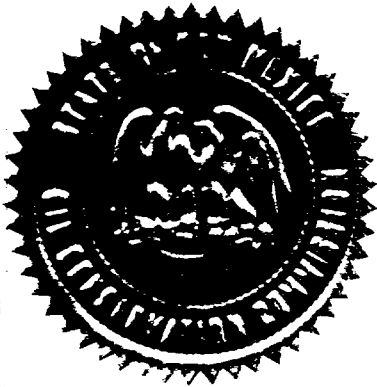
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