

# Wilson Oil Company

INCORPORATED UNDER THE LAWS OF NEW MEXICO



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January 19, 1972

CONSERVATION COMM.  
SANTA FE

*SWD-125*

*No starting period*

Mr. A. L. Porter, Director  
New Mexico Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Re: Case No. 4017  
Order No. 3657

Dear Sir:

Please refer to Case No. 4017, Order No. 3657. Under paragraph 3 of the Order the Secretary-Director of the Commission is authorized to approve additional wells and to delete existing salt water wells in Wilson Yates-Seven Rivers Pool, Lea County, New Mexico.

It is requested that well #7 State in Unit K of Sec. 13, T21S, R34E, well #20 State in Unit B of Sec. 23, T21S, R34E, and well #13 Shell-State in Unit H of Sec. 13, T21S, R34E, be deleted from disposal system. These wells will be plugged and abandoned in that they will not take water without excess pressure.

Wilson Oil Company hereby requests that well #19 State in Unit G, Sec. 23, T21S, R34E, and well #3 Amerada-State in Unit G, Sec. 13, T21S, R34E, be added to the disposal system. Geological and well data on attached exhibit.

Respectfully submitted,

WILSON OIL COMPANY

*N. Raymond Lamb*

N. Raymond Lamb, Vice President

Enclosure

NRL:rh

WILSON OIL COMPANY

Geological and Well Data

Wilson-State 19, Unit G, Sec. 23, T21S, R34E

Completed 10-21-44

Total depth 3900'

Top pay 3719'

7" oil string 3600' 200 sx

2-1/2" tubing 400'

Well completed natural

Salt water disposal down 2-1/2" tbg. and 7" casing

Surface elevation 3661'

Top anhydrite 1558'

Top salt 1775'

Base salt 3260'

Yates sand 3435'

Top Seven Rivers Reef 3719'

Amerada-State #3, Unit G, Sec. 13, T21S, R34E

Completed 4-28-61

Total depth 3808

Top pay 3754

Oil string 4-1/2" 3686' 150 sx

2-1/2" tubing 250'

Acidized with 3,000 gallons

Salt water disposal down 2-1/2" tbg. and 4-1/2" casing

Surface elevation 3651'

Top anhydrite 1620'

Top salt 1740'

Base salt 3280'

Yates 3460'

Top Seven Rivers Reef 3754'



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. 4015  
Order No. R-3657

APPLICATION OF WILSON OIL COMPANY  
FOR SALT WATER DISPOSAL, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on January 8, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 13th day of January, 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, Wilson Oil Company, is the owner and operator of the following wells in the Wilson Yates-Seven Rivers Pool, Lea County, New Mexico:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM

Wilson State Well No. 9 located in Unit F of Section 13;  
Shell State Well No. 13 located in Unit H of Section 13;  
Wilson State Well No. 8 located in Unit O of Section 13;  
Wilson State Well No. 20 located in Unit B of Section 23;  
Wilson State Well No. 21 located in Unit J of Section 23;

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Wilson State Well No. 1-A located in Unit G of Section 7.

(3) That the applicant proposes to utilize said wells to dispose of produced salt water into the Yates and Seven Rivers formations, with injection into the intervals as follows:

The open-hole interval from approximately 3601 feet to 3781 feet in the Wilson State Well No. 9;

The perforated and open-hole interval from approximately 3778 feet to 4139 feet in the Shell State Well No. 13;

The open-hole interval from approximately 3442 feet to 3775 feet in the Wilson State Well No. 8;

The open-hole interval from approximately 3720 feet to 3965 feet in the Wilson State Well No. 20;

The open-hole interval from approximately 3602 feet to 3749 feet in the Wilson State Well No. 21; and

The open-hole interval from approximately 3822 feet to 3846 feet in the Wilson State Well No. 1-A.

(4) That injection into each of the above-described wells down the casing should be permitted provided said produced water is continuously treated prior to injection to prevent corrosion.

(5) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.

(6) That the applicant further seeks the establishment of an administrative procedure whereby additional wells in the Wilson Yates-Seven Rivers Pool could be placed on salt water disposal.

(7) That an administrative procedure should be established for the approval of additional salt water disposal wells in the Wilson Yates-Seven Rivers Pool, provided that such additional salt water disposal wells are completed in a manner similar to the subject wells.

IT IS THEREFORE ORDERED:

(1) That the applicant, Wilson Oil Company, is hereby authorized to utilize its following-described wells in the Wilson Yates-Seven Rivers Pool, Lea County, New Mexico, to dispose of produced salt water into the Yates and Seven Rivers formations, with injection to be accomplished as follows:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM

Wilson State Well No. 9 located in Unit F of Section 13, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3601 feet to 3781 feet;

Shell State Well No. 13 located in Unit H of Section 13, injection to be accomplished down the casing, with injection into the perforated and open-hole interval from approximately 3778 feet to 4139 feet;

Wilson State Well No. 8 located in Unit O of Section 13; injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3442 feet to 3775 feet;

Wilson State Well No. 20 located in Unit B of Section 23, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3720 feet to 3965 feet;

Wilson State Well No. 21 located in Unit J of Section 23, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3602 feet to 3749 feet;

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM

Wilson State Well No. 1-A located in Unit G of Section 7, injection to be accomplished down the casing, with injection into the open-hole interval from approximately 3822 feet to 3846 feet;

PROVIDED HOWEVER, that said produced salt water shall be continuously treated prior to injection to prevent corrosion.

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CASE No. 4015

Order No. R-3657

(2) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(3) That as an exception to Rule 701 of the Commission Rules and Regulations, the Secretary-Director is hereby authorized to approve additional salt water disposal wells in the Wilson Yates-Seven Rivers Pool when an application for such authority has been filed and the Secretary-Director determines that approval of the application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights;

PROVIDED HOWEVER, that any such additional salt water disposal well shall be completed in a manner similar to the subject wells, and provided further, that such disposal shall be into the Yates and Seven Rivers formations.

(4) 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

S E A L

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