

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

July 8, 1966

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Tidewater Oil Company
P. O. Box 249
Hobbs, New Mexico

Gentlemen:

Enclosed herewith please find Administrative Order No. SWD-59 for your State AN Well No. 10 located in Unit P of Section 7, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico.

Very truly yours,

A. L. PORTER, Jr.,
Secretary-Director

ALP/JEK/og

cc: Oil Conservation Commission - Hobbs
State Engineer Office - Santa Fe

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY

PROBLEM SET 1

1. The following data were obtained for the reaction of hydrogen peroxide with iodide ion in acidic solution. Calculate the rate law for the reaction.

[H ₂ O ₂] (M)	[I ⁻] (M)	[H ⁺] (M)	Rate (M s ⁻¹)
0.010	0.010	0.010	1.0 × 10 ⁻⁴
0.020	0.010	0.010	2.0 × 10 ⁻⁴
0.010	0.020	0.010	2.0 × 10 ⁻⁴
0.010	0.010	0.020	4.0 × 10 ⁻⁴

2. The following data were obtained for the reaction of hydrogen peroxide with iodide ion in acidic solution. Calculate the rate law for the reaction.

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0.010	0.020	0.010	2.0 × 10 ⁻⁴
0.010	0.010	0.020	4.0 × 10 ⁻⁴

3. The following data were obtained for the reaction of hydrogen peroxide with iodide ion in acidic solution. Calculate the rate law for the reaction.

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0.020	0.010	0.010	2.0 × 10 ⁻⁴
0.010	0.020	0.010	2.0 × 10 ⁻⁴
0.010	0.010	0.020	4.0 × 10 ⁻⁴

SUBJECT: SALT WATER DISPOSAL WELL

ORDER NO. SWD-59

THE APPLICATION OF TIDEWATER OIL
COMPANY FOR A SALT WATER DISPOSAL
WELL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701 (C) Tidewater Oil Company made application to the New Mexico Oil Conservation Commission on June 6, 1966, for permission to complete for salt water disposal State AN Well No. 10 located in Unit P of Section 7, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico.

The Secretary-Director finds:

1. That application has been duly filed under the provisions of Rule 701 (C) of the Commission Rules and Regulations;
2. That satisfactory information has been provided that all offset operators, surface owners and the New Mexico Engineer Office have been duly notified; and
3. That the applicant has presented satisfactory evidence that all requirements prescribed in Rule (C) will be met.
4. That no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant herein, Tidewater Oil Company, is hereby authorized to complete its State AN Well No. 10 located in Unit P of Section 7, Township 18 South, Range 35 East, NMPM, Lea County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the San Andres formation at approximately 5255 feet to approximately 5,500 feet through 2-7/8 inch tubing with a packer set at approximately 5,150 feet in the 5-1/2 inch casing in said well.

IT IS FURTHER ORDERED:

That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing the Commission may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operation in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

APPROVED at Santa Fe, New Mexico, on this 8th day of July, 1966.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,
Secretary-Director

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