

HALLIBURTON DIVISION LABORATORY  
HALLIBURTON COMPANY  
LOVINGTON, NEW MEXICO

No. 01-58-66

LABORATORY REPORT

Date February 1, 1966

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Date Received

To Charles B. Read

Security National Bank Bldg.

Roswell, New Mexico

Well & Lease Sinclair State #1 Depth Formation

Location Field Source

Specific gravity 60/60 °F 1.011

Color, filtrate Clear

pH 6.6

Resistivity 0.695

° 71 °F ppm (mpl)

Chlorides, Cl 7.600

Sulfates, SO<sub>4</sub> 3.100

Alkalinity, HCO<sub>3</sub> 1.415

Calcium, Ca 760

Magnesium, Mg 385

Iron, Fe Nil

Sodium, Na\* 5.335

Sulfides, H<sub>2</sub>S 340

BEST AVAILABLE COPY

BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

EXHIBIT NO. E

CASE NO. 4168

Remarks Scale Stability Index - This water is capable of producing Calcium Carbonate

scale at temperatures above 85°F

ppm equals Parts per million uncorrected or milligrams per liter

\* includes Potassium as Na.

Laboratory Analyst

Brewer

Respectfully submitted

HALLIBURTON COMPANY

By

Rex L. Hamack, Jr., Division Chemist

ILLEGIBLE

NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether due to act or omission, resulting from such report or its use.

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. 4168  
Order No. R-3797

APPLICATION OF CHARLES B. READ  
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 July 9, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 15th day of July, 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, Charles B. Read, is the owner and operator of the Sinclair State Well No. 1, located 2310 feet from the South line and 2310 feet from the West line of Section 2, Township 21 South, Range 33 East, NMPM, Lynch Pool, Lea County, New Mexico.

(3) That the applicant proposes to utilize said well to dispose of produced salt water into the Seven Rivers Reef formation, with injection into the open-hole interval from approximately 3783 feet to 3797 feet.

(4) That the injection should be accomplished through 2 3/8-inch plastic-lined tubing installed in a packer set at approximately 3682 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge should

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CASE No. 4163

Order No. R-3797

be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

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

IT IS THEREFORE ORDERED:

(1) That the applicant, Charles B. Read, is hereby authorized to utilize his Sinclair State Well No. 1, located 2310 feet from the South line and 2310 feet from the West line of Section 2, Township 21 South, Range 33 East, NMPM, Lynch Pool, Lea County, New Mexico, to dispose of produced salt water into the Seven Rivers Reef formation, injection to be accomplished through 2 3/8-inch tubing installed in a packer set at approximately 3682 feet, with injection into the open-hole interval from approximately 3783 feet to 3797 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus at the surface in order to determine leakage in the casing, tubing, or packer.

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

(3) 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

