

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

RECEIVED
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APPLICATION OF CHARLES B. READ)
FOR SALT WATER DISPOSAL BY INJECTING)
PRODUCED SALT WATER INTO THE SEVEN)
RIVERS REEF FORMATION IN HIS SINCLAIR)
STATE NO. 1, LOCATED 2310 FEET FROM)
THE SOUTH AND WEST LINES OF SECTION)
2, TOWNSHIP 21 SOUTH, RANGE 33 EAST,)
N.M.P.M., LEA COUNTY, NEW MEXICO.)

Case 4168

A P P L I C A T I O N

COMES NOW Charles B. Read and respectfully presents this Application to the Oil Conservation Commission of the State of New Mexico for an Order permitting him to dispose of produced salt water through plastic coated tubing into the Seven Rivers Reef formation into the open hole interval between 3783 feet and 3797 feet in his Sinclair State No. 1 located 2310 feet FS&WL, Section 2, Township 21 South, Range 33 East, N.M.P.M., Lea County, New Mexico, and in support thereof, states:

1. Attached hereto marked Exhibit "A" is a plat showing the location of Applicant's well hereinabove described and the location of all other wells within a radius of two miles therefrom. This plat also indicates the lessees of record within this two mile radius. All such wells are now producing from the Yates and Seven Rivers Reef formations in the Lynch Pool.

2. Attached hereto marked Exhibit "B" is the log of Applicant's well hereinabove described.

3. Attached hereto marked Exhibit "C" is a diagrammatic sketch of Applicant's well hereinabove described showing all casing strings, including diameters and setting depths, quantity used and tops of cement, perforated or open hole intervals, tubing strings, including diameters and setting depths, and the type and location of packers, if any.

DOCKET MARKED

Date 6-25-69

4. Attached hereto marked Exhibit "D" is a structure map of the Lynch Pool, contoured on the top of the Yates formation and showing the location of the proposed water injection well.

5. The salt water to be disposed of would be that produced from Applicant's wells in the Lynch field, the anticipated volume of which would be approximately 7,000 to 15,000 barrels per month which would be injected through 2 3/8 inch plastic coated tubing below a packer set at approximately 3,682 feet. The casing-tubing annulus would be filled with inert fluid and monitored at the surface with a pressure gauge.

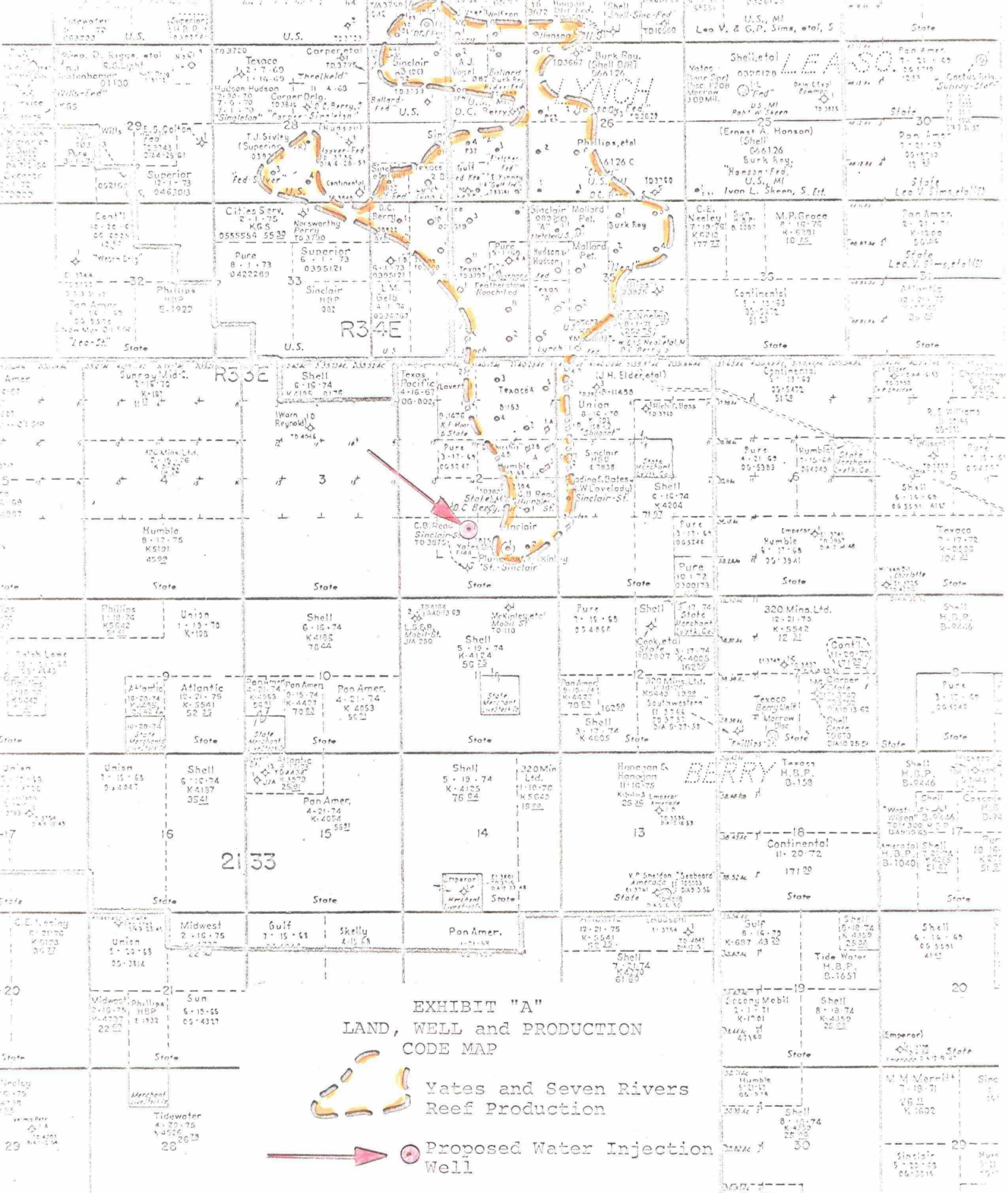
WHEREFORE, Applicant requests that this Application be set for examiner hearing and that after such hearing this Commission enter its Order authorizing the salt water disposal and dual completion as herein requested.

Respectfully submitted,

CHARLES B. READ

By

William J. LeMay
William J. LeMay, Agent



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T/Vates 3586 (+216)

3600

EXHIBIT B

Charles B. Read
No. 1 Sinclair State
2310' FS&WL
Sec. 2, T-21-S, R-33-E
Lea County, New Mexico

SONIC-GAMMARAY

3700

FD 3797
TD 3783

T/Seven Rivers Reef 3775

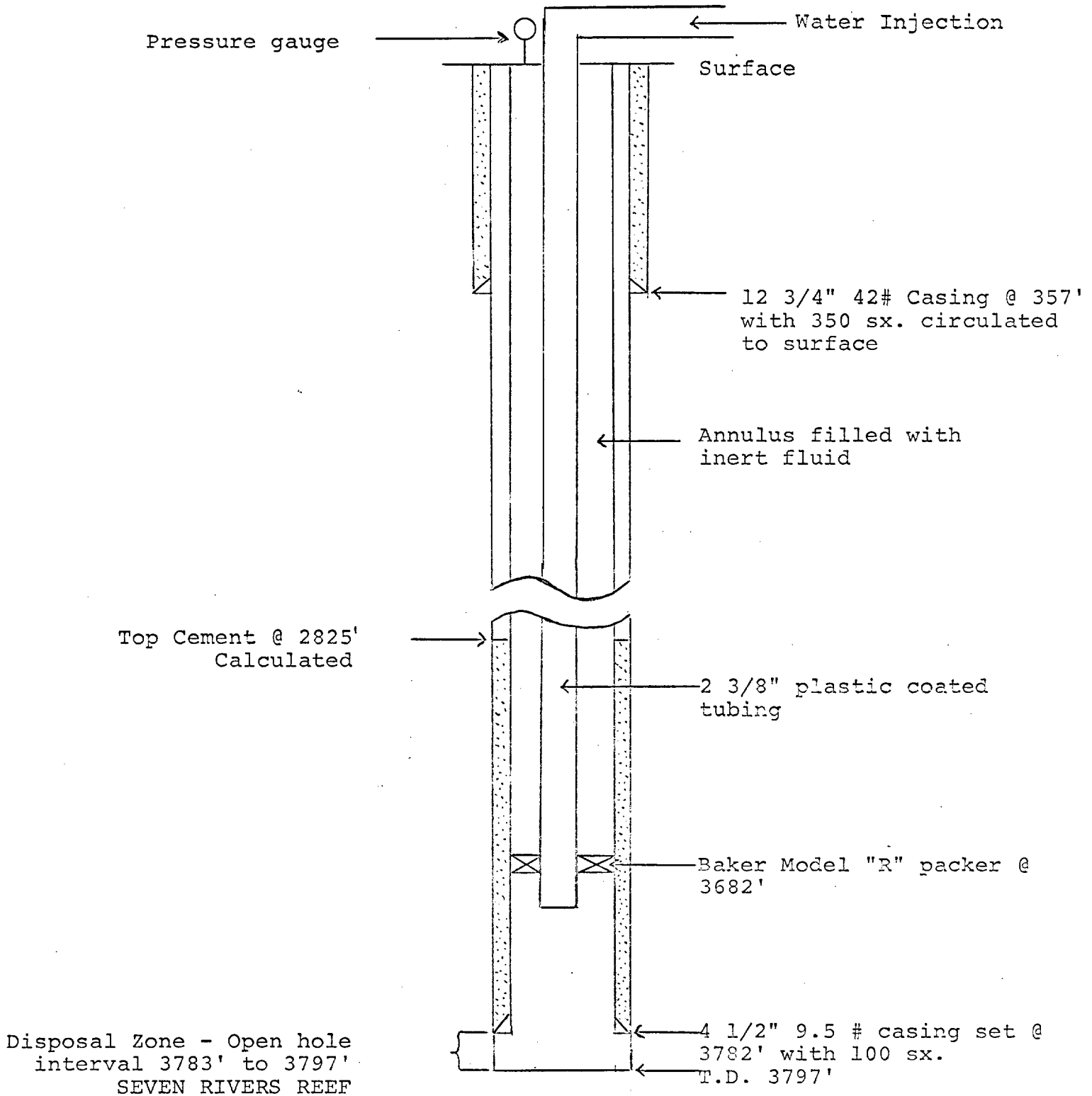
Deepened well with Cable
Tools from 3783' to 3797'. →
T. D. 3797 (10-19-68).

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Pay Zone 3781-83 scratched top
of pay in Seven Rivers "Reef"

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EXHIBIT "C"

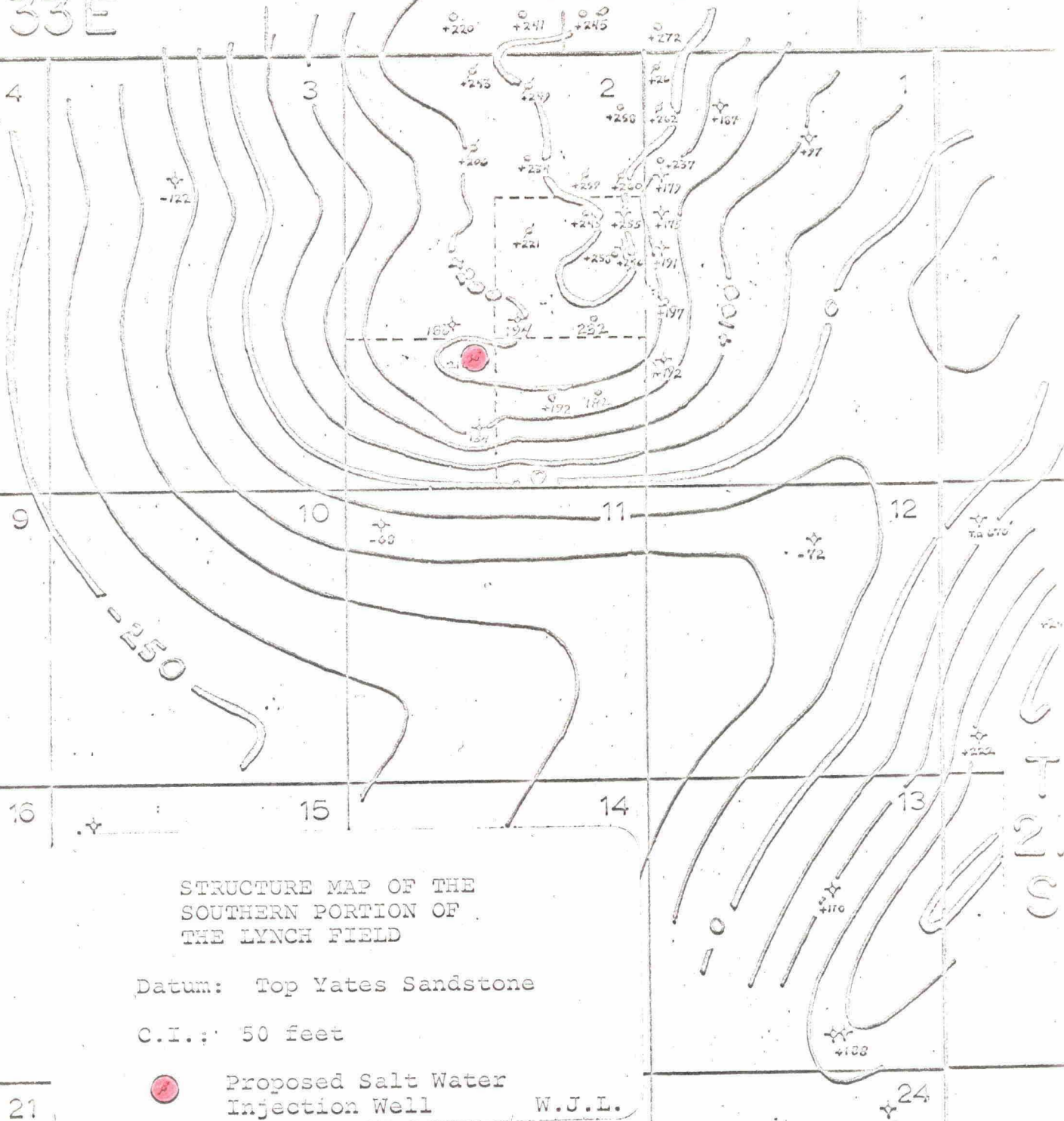


DIAGRAMMATIC SKETCH of Proposed Installation of Water Injection Equipment for the CHARLES B. READ No. 1 SINCLAIR STATE Section 2, T-21-S, R-33-E, Lea County, New Mexico.

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R33E

LYNCH FIELD



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HALLIBURTON DIVISION LABORATORY
HALLIBURTON COMPANY
LOVINGTON, NEW MEXICO

No. W1-58-66

LABORATORY REPORT

Date February 1, 1966

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Company.

To Charles B. RoadSecurity National Bank Bldg.Rockwell, New Mexico

Date Received _____

Well & Lease Sinclair State #1 Depth _____ Formation _____

Location _____ Field _____ Source _____

Specific gravity 60/60 °F 1.011Color, filtrate ClearpH 6.6Resistivity 0.695

° 71 °F ppm (mpt)

Chlorides, Cl 7.600Sulfates, SO₄ 3.100Alkalinity, HCO₃ 1.415Calcium, Ca 760Magnesium, Mg 335Iron, Fe NilSodium, Na* 5.335Sulfides, H₂S 3.0

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Remarks Scale Stability Index - This water is capable of producing Calcium Carbonate
scale at temperatures above 86° 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. Hammack, Jr.Rex L. Hammack, 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.

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