

GOVERNOR  
DAVID F. CARGO  
CHAIRMAN

State of New Mexico  
Oil Conservation Commission



LAND COMMISSIONER  
GUYTON B. HAYS  
MEMBER

P. O. BOX 2088  
SANTA FE

STATE GEOLOGIST  
A. L. PORTER, JR.  
SECRETARY - DIRECTOR

December 23, 1968

Mr. Jason Kellahin  
Kellahin & Fox  
Attorneys at Law  
Post Office Box 1769  
Santa Fe, New Mexico

Re: Case No. 3997  
Order No. R-3635  
Applicant:  
Reading & Bates

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/ir

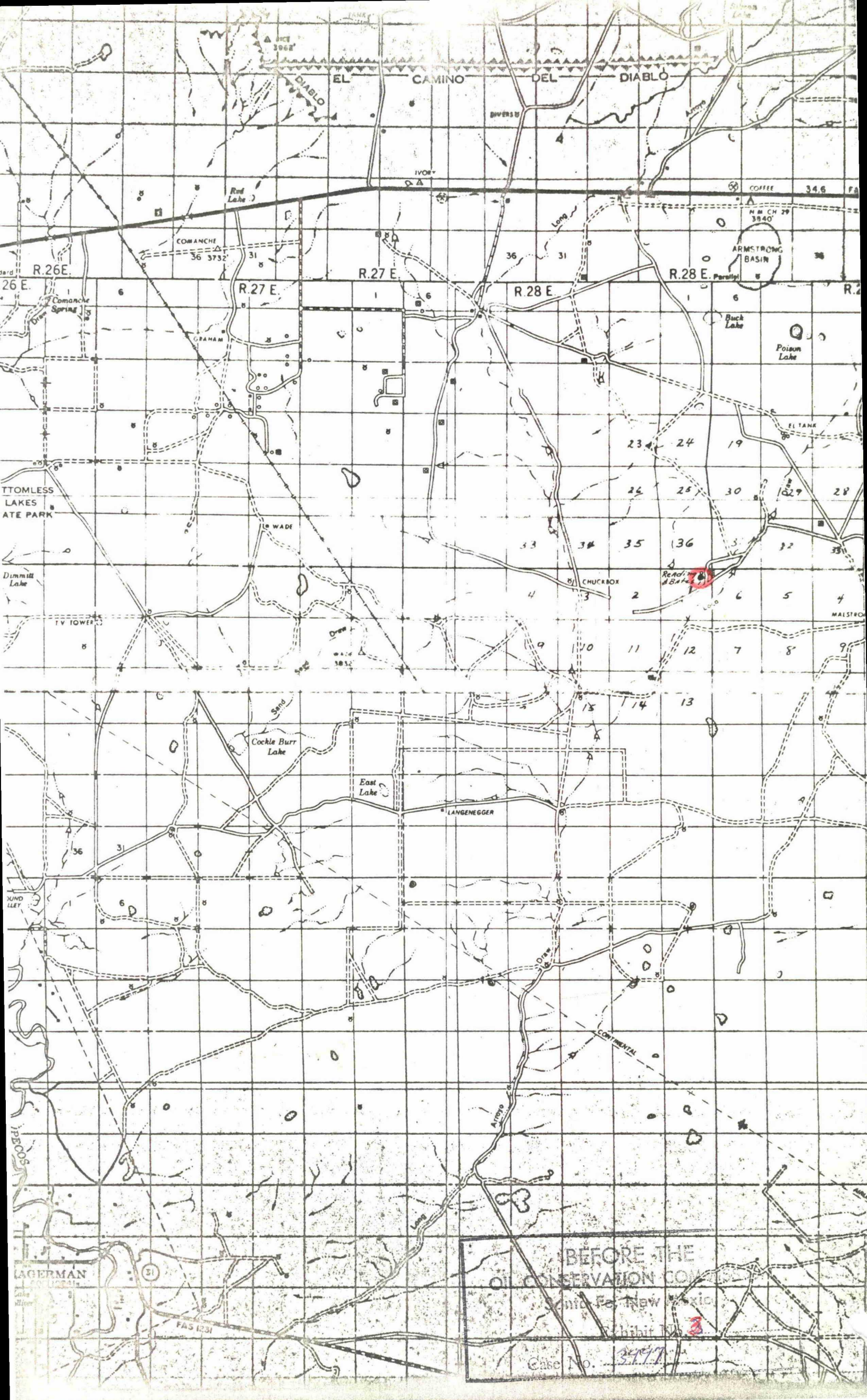
Carbon copy of order also sent to:

Hobbs OCC x

Artesia OCC x

Aztec OCC           

Other State Engineer Office



BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico  
Exhibit No. 3  
Case No. 3977

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Exhibit No. 3

Case No. 3997

R 28 E

R 29 E

R & B OFFSHORE  
 WORKING INT. \_\_\_\_\_  
 T 12 S - R 28 E  
 CHAVES CO., NEW MEX

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

Murphy-Dyer  
 White Ranch  
 TD 8199

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

35

Waller  
 7-19-65  
 E-9208

36

31

E.A. Hanson  
 9-18-72  
 K-2700

Cockburn  
 HBP  
 B-10424

J. C. Williamson, et al  
 HBP

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

Waller  
 7-19-65  
 E-9208

State

Ohio  
 TD 8465

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

2

R. & B.  
 L-1040

1

J. C. Williamson, et al  
 HBP

6

Great Western  
 TD 8199

TD 8147

TD 8166

Richfield  
 TD 2513

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

Markham, et al  
 TD 8260

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, et al

Louisiana Ld. & Expl.  
 U.S. Smelting  
 J.P. White, Jr., et al

Richfield  
 TD 9058

11

12

Kaywal Inc.  
 C.F. Waller

W.F. Waller

C.F. Waller

Caswell  
 Silver  
 12-1-72  
 0324651

Assoc. Roy. Co.  
 3-1-72  
 0289103

7

Texaco  
 B-25-64

E.G. Levick  
 7-19-65  
 E-9180

State

Caswell  
 Silver  
 12-1-72  
 0324651

U.S.

Kaywal, Inc.  
 C.F. Waller

W.F. Waller

BEFORE THE  
 OIL CONSERVATION COMMISSION  
 Santa Fe, New Mexico

Exhibit No. 4  
 W.F. Waller

Case No. 3997

CONTOURS \_\_\_\_\_  
 CONTOUR INTERVAL \_\_\_\_\_  
 SCALE 1 INCH = 2000 FEET

READING & BATES OFFSHORE DRILLING COMPANY  
 WHITE RANCH LEASE PROSPECT  
 CHAVES COUNTY, NEW MEXICO



**RUSSCO Chemical Co.**

Plant and Office - 1200 Garden City Hwy.

P. O. BOX 4246 • MIDLAND, TEXAS 79701 • 915-MU2-7152-LO3-2074

# WATER ANALYSIS REPORT

COMPANY READING & BATES OFFSHORE DRILLING CO.  
Thornton Oil Company ADDRESS \_\_\_\_\_  
LEASE White Ranch Lease DATE SAMPLED \_\_\_\_\_

| ANALYSIS                                  | PPM<br>or<br>Mg/L | EPM<br>or<br>Meg/L | Ionic PPM        |          |
|-------------------------------------------|-------------------|--------------------|------------------|----------|
| 1. PH                                     | 6.7               |                    |                  |          |
| 2. H <sub>2</sub> S                       | Pos.              |                    |                  |          |
| 3. CO <sub>2</sub>                        | Pos.              |                    |                  |          |
| 4. Specific Gravity                       |                   |                    |                  |          |
| 5. Phenol Alkalinity (CaCO <sub>3</sub> ) | 0.0               |                    |                  |          |
| 6. M.P. Alkalinity (CaCO <sub>3</sub> )   | 500               |                    |                  |          |
| 7. Bicarbonate (CaCO <sub>3</sub> )       | 610               | 12.0               | HCO <sub>3</sub> | 732      |
| 8. Chlorides (Cl)                         | 30,000            | 845.0              | Cl               | 30,000   |
| 9. Sulphates (SO <sub>4</sub> )           | 1,800             | 37.5               | SO <sub>4</sub>  | 37.5     |
| 10. Total Hardness (CaCO <sub>3</sub> )   | 3,800             |                    |                  |          |
| 11. Calcium (CaCO <sub>3</sub> )          | 1,400             | 28.0               | Ca               | 560.     |
| 12. Magnesium (CaCO <sub>3</sub> )        | 2,400             | 48.0               | Mg               | 585.6    |
| 13. Sodium (Na)                           |                   | 818.0              | Na               | 18,814.0 |
| 14. Nitrate (NO <sub>3</sub> )            |                   |                    | NO <sub>3</sub>  |          |
| 15. Iron (Fe)                             | 7.5               |                    |                  |          |
| 16. Total Dissolved Solids                |                   |                    |                  | 50,729.1 |

Remarks: From PH and low salt ions, this water in all probability will be corrosive.

As Corrosion Inhibitor, RECOMMENDATIONS ARE: 0500W used at 1 qt/100 to  
150 bbls. Suggest coupons be run.

BEFORE THE  
OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Exhibit No. 6Case No. 3997Respectfully,  
Russco Chemical Co.Joe Bassham