



## OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

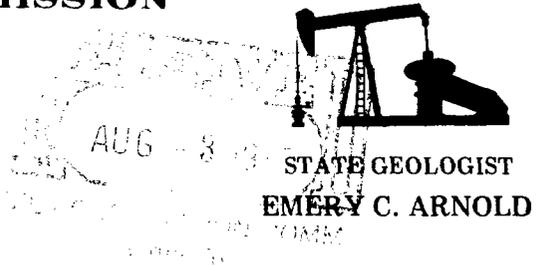
P. O. BOX 1980 - HOBBS

88240

LAND COMMISSIONER

PHIL R. LUCERO

DIRECTOR  
JOE D. RAMEY



August 2, 1977

Mr. Joe D. Ramey  
Oil Conservation Commission  
Box 2088  
Santa Fe, New Mexico 87501

Dear Joe,

Attached are the water analysis of the Wallach pits. Pit #2 is the deep pit with the fish and the water pump.

The chlorides are high in both pits as I guess you would expect in evaporation pits.

John ran chlorides which were somewhat different from United Chemical's. John's analysis are also attached.

Sincerely,

A handwritten signature in cursive script that reads "Jerry Sexton".

Jerry Sexton  
Supervisor, District I

JS/ed

NEW MEXICO OIL CONSERVATION COMMISSION  
Hobbs, New Mexico

WATER ANALYSIS

Well Ownership: Wellsch Well No. \_\_\_\_\_

Land Status:  State  Federal  Fee

Well Location: Unit \_\_\_\_\_, Section \_\_\_\_\_, T \_\_\_\_\_ S - R \_\_\_\_\_ E Lee Co.  
East Pit Cold gravel Pit - F. Eunice

Type Well: \_\_\_\_\_ Depth: \_\_\_\_\_ feet.

Well Use: \_\_\_\_\_

Sample Number: #2 Date Taken: 7/28/77

Specific Conductance: \_\_\_\_\_ m/n

Total dissolved Solids: \_\_\_\_\_ PPM.

Chlorides: 965.6 PPM.

Sulfates: \_\_\_\_\_ PPM.

Ortho-phosphates:  V. low  Low  Med.  High

Sulfides:  None  Low  Med.  High

\_\_\_\_\_ :

Date Analyzed: 7/29/77 By: JWR  
N.M.O.C.C.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

50 ml sample = 71.0 x 13.6 Titration = 965.6 PPM Cl

NEW MEXICO OIL CONSERVATION COMMISSION  
Hobbs, New Mexico

WATER ANALYSIS

Well Ownership: Wallach Well No. \_\_\_\_\_

Land Status:  State  Federal  Fee

Well Location: Unit \_\_\_\_\_, Section \_\_\_\_\_, T \_\_\_\_\_ S - R \_\_\_\_\_ E Lea Co.  
West Pit (old gravel pit - E. Eunice)

Type Well: \_\_\_\_\_ Depth: \_\_\_\_\_ feet.

Well Use: \_\_\_\_\_

Sample Number: #1 Date Taken: 7/28/78

Specific Conductance: \_\_\_\_\_ m/n

Total dissolved Solids: \_\_\_\_\_ PPM.

Chlorides: 1476.8 PPM.

Sulfates: \_\_\_\_\_ PPM.

Ortho-phosphates:  V. low  Low  Med.  High

Sulfides:  None  Low  Med.  High

\_\_\_\_\_ :

Date Analyzed: 7/29/77 By: JWR  
N.M.O.C.C.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

50 ml sample = 71.0 x 20.8 Titration = 1476.8 PPM



# UNITED CHEMICAL CORPORATION

OF NEW MEXICO

707 NORTH LEECH

P. O. BOX 1499

HOBBS, NEW MEXICO 88240

July 29, 1977

New Mexico Oil Conservation Commission  
P. O. Box 1980  
Hobbs, NM 88240

Attention: Jerry Sexton

Dear Sir:

Enclosed please find our water analyses reports on the samples submitted July 29, 1977.

If additional information is needed please contact us.

Yours truly,

UNITED CHEMICAL CORP. OF NM

Elizabeth Wesley  
Technician

EW/pv  
cc: Ernest Underwood



# UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH  
 P.O. BOX 1499  
 HOBBS, NEW MEXICO  
 88240

PHONE  
 505  
 393-7751

TO: New Mexico Oil Conservation Commission  
 Box 1980  
 Hobbs, NM 88240

DATE 7-29-77  
 PLANT Wallach Pits

REMARKS AND RECOMMENDATIONS

| SAMPLE SOURCE                             | East Pit<br>Sample<br># 1 | West Pit<br>Sample<br># 2 |  |  |  |  |
|---|---------------------------|---------------------------|--|--|--|--|
| pH  | 7.85                      | 9.2                       |  |  |  |  |
| Total Hardness as CaCO <sub>3</sub> (PPM) | 1,910                     | 510                       |  |  |  |  |
| Calcium as CaCO <sub>3</sub> (PPM)        | 1,295                     | 332                       |  |  |  |  |
| Magnesium as CaCO <sub>3</sub> (PPM)      | 615                       | 178                       |  |  |  |  |
| Total Phosphate as PO <sub>4</sub> (PPM)  |                           |                           |  |  |  |  |
| Orthophosphate as PO <sub>4</sub> (PPM)   |                           |                           |  |  |  |  |
| Polyphosphate as PO <sub>4</sub> (PPM)    |                           |                           |  |  |  |  |
| M Alkalinity as CaCO <sub>3</sub> (PPM)   | 70                        | 35                        |  |  |  |  |
| P Alkalinity as CaCO <sub>3</sub> (PPM)   | 0                         | 25                        |  |  |  |  |
| Chloride as Cl (PPM)                      | 1,660                     | 340                       |  |  |  |  |
| Total Dissolved Solids (PPM)              |                           |                           |  |  |  |  |
| Sulfate as SO <sub>4</sub> (PPM)          | 1,750                     | 406                       |  |  |  |  |
| Sulfite as SO <sub>3</sub> (PPM)          |                           |                           |  |  |  |  |
| Iron as Fe (PPM)                          | 0.02                      | 0                         |  |  |  |  |
| Silica as SiO <sub>2</sub> (PPM)          |                           |                           |  |  |  |  |
| Carbon Dioxide as CO <sub>2</sub> (PPM)   |                           |                           |  |  |  |  |
| Chromate as CrO <sub>4</sub> (PPM)        |                           |                           |  |  |  |  |
| Specific Conductance (mmhos)              |                           |                           |  |  |  |  |
| Concentrations Chloride                   |                           |                           |  |  |  |  |
| Concentrations Hardness                   |                           |                           |  |  |  |  |
| Specific Gravity                          | 1.005                     | 1.000                     |  |  |  |  |
|   |                           |                           |  |  |  |  |
|   |                           |                           |  |  |  |  |
|   |                           |                           |  |  |  |  |
|   |                           |                           |  |  |  |  |
|   |                           |                           |  |  |  |  |

*"KE-TONE Makes Water Work"*

MUGRE BUS NES - CRM - NC