

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 29, 1969

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

Dear Sir:

Reference is made to Commission Order No. R-3863, recently entered in Case No. 4236, approving the Continental Anderson Ranch Wolfcamp Waterflood Project.

Injection is to be through the two authorized water injection wells, each of which is to be equipped with 2 3/8-inch or 2 7/8-inch plastic-lined tubing set in a packer approximately at 9600 feet; the casing-tubing annulus in each well is to be loaded with an inert fluid and equipped with a pressure gauge at the surface.

As to allowable, our calculations indicate that when both of the authorized injection wells have been placed on active injection, and pending recompletion of any other wells in the Wolfcamp formation, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-E-3 is 1113 barrels per day when the Southeast New Mexico normal unit allowable is 42 barrels per day or less.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

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Your cooperation in keeping the Commission so informed as to the status of the project and the wells therein will be appreciated.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/DSN/ir

cc: Oil Conservation Commission
Hobbs, New Mexico

Mr. D. E. Gray
State Engineer Office
Santa Fe, New Mexico

TELEPHONE: HOHLS 336-7751
Area Code 505



UNITED CHEMICAL CORPORATION
OF NEW MEXICO

601 NORTH LEECH

P. O. BOX 1499

HOBBS, NEW MEXICO 88240

October 3, 1969

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Attention: Mr. J. D. Storts

Dear Mr. Storts:

Attached is the water analysis data on a sample submitted from the Anderson Ranch Unit, Devonian and Wolfcamp waters.

Dick McReynolds came by the laboratory and filtered both of these waters through a 1.2 micron millipore filter, and made a 50 - 50 mixture of the filtrate. There was no visible or filterable precipitation formed. These waters appear to be compatible.

If further information is needed, please let us know.

Very truly yours,

UNITED CHEMICAL CORP. of N.M.

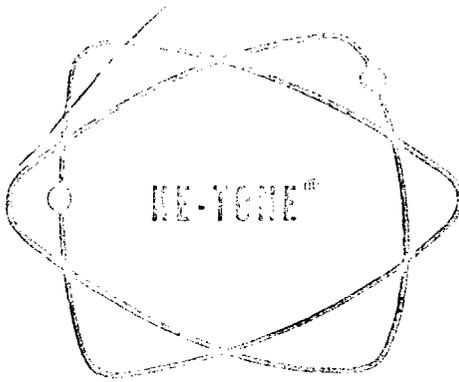
Wayne Roberts
Manager of Technical Services

WR/lt

cc: Mr. L. D. Johnson

Attachments

~~~~~ Makes Water Work ~~~~~



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

P. O. BOX 1492

HOBBS, NEW MEXICO 88240

Company Continental Oil Company

Field Devonian East Sep.

Lease Anderson Ranch

Sampling Date 9-30-69

Type of Sample \_\_\_\_\_

WATER ANALYSIS

| IONIC FORM                                              | me/l *    | mg/l * |
|---------------------------------------------------------|-----------|--------|
| Calcium (Ca <sup>++</sup> )                             | 74.25     | 1,488  |
| Magnesium (Mg <sup>++</sup> )                           | 42.02     | 511    |
| Sodium (Na <sup>+</sup> ) <b>Calculated</b>             | 734.78    | 16,893 |
| Carbonate (HCO <sub>3</sub> <sup>-</sup> )              | 10.70     | 652    |
| Carbonate (CO <sub>3</sub> <sup>-</sup> )               | NOT FOUND |        |
| Hydroxide (OH <sup>-</sup> )                            | NOT FOUND |        |
| Sulphate (SO <sub>4</sub> <sup>-</sup> )                | 33.83     | 1,625  |
| Chloride (Cl <sup>-</sup> )                             | 806.52    | 28,600 |
| pH <u>7.3</u> at <u>68</u> °F                           |           |        |
| Dissolved Solids on Evap. at 103° - 105° C              |           |        |
| Hardness as CaCO <sub>3</sub>                           | 116.27    | 5,814  |
| Carbonate Hardness as CaCO <sub>3</sub> (temporary)     | 10.70     | 525    |
| Non-Carbonate Hardness as CaCO <sub>3</sub> (permanent) | 105.57    | 5,279  |
| Alkalinity as CaCO <sub>3</sub>                         | 10.70     | 525    |
| Specific Gravity @ 68° F                                | 1.030     |        |

\* mg/l = milligrams per Liter

\* me/l = milliequivalents per Liter

*Mohos Water Works*