



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

GOVERNOR
BRUCE KING
CHAIRMAN
LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER
STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

July 16, 1973

Re: Case No. _____
Order No. 5017
Applicant: R-4589

Atlantic Richfield

Mr. Clarence Hinkle
Hinkle, Bondurant, Cox & Eaton
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Dear Sir:

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

Very truly yours,

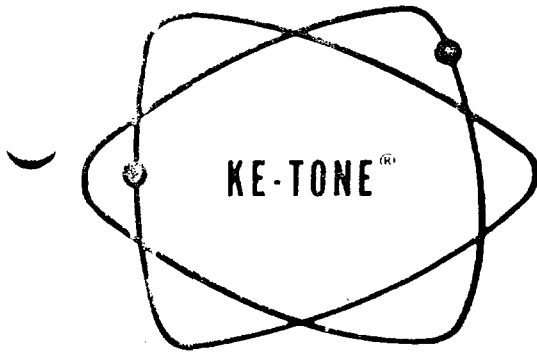
A. L. PORTER, Jr.
Secretary-Director

AEP/ir

Copy of order also sent to:

Hobbs OCC _____
Artesia OCC x _____
Aztec OCC _____

Other _____
State Engineer Office



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

HOBBS, NEW MEXICO 88240

P. O. BOX 1499

SFS
REM
J.S.F.

Company Continental Oil Company

Field _____

Lease Dancinger BWSW Sampling Date 1-4-73

Type of Sample _____

WATER ANALYSIS

IONIC FORM	me/l *	mg/l *
Calcium (Ca++)	71.06	1,424
Magnesium (Mg++)	42.35	515
Sodium (Na+) (Calculated)	695.94	16,000
Iron (Total)		
Carbonate (HCO ₃ ⁻)	10.40	634
Carbonate (CO ₃ ⁻)	NOT	FOUND
Hydroxide (OH ⁻)	NOT	FOUND
Sulphate (SO ₄ ⁻)	77.03	3,700
Chloride (Cl ⁻)	721.92	25,600
6.8pH c 68°F		
Dissolved Solids on Evap. at 103° - 105° C		
Hardness as CaCO ₃	113.41	5,671
Carbonate Hardness as CaCO ₃ (temporary)	10.40	520
Non-Carbonate Hardness as CaCO ₃ (permanent)	103.01	5,151
Alkalinity as CaCO ₃	10.40	520
Specific Gravity c 68° F 1.032		

MOORE BUSINESS FORMS INC.

* mg/l = milligrams per Liter

* me/l = milliequivalents per Liter

CaCO₃ S. I. only slightly positive at 86° (0.03)
CaSO₄ S. I. Negative

Makes Water Work