

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

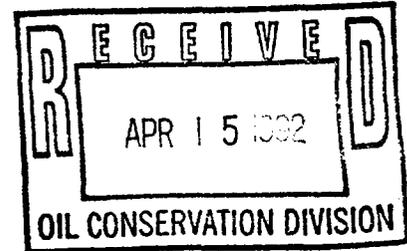
JACK M. CAMPBELL
OF COUNSEL

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April 15, 1992

HAND-DELIVERED

Mr. Michael E. Stogner
Hearing Examiner
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87501



Re: Oil Conservation Division Cases 10465 and 10466:
Applications of Marbob Energy Corporation for Salt Water Disposal, Eddy
County, New Mexico

Dear Mr. Stogner:

Enclosed are two copies of the recent water analysis performed by UNICHEM on the proposed disposal water to be injected into the Abo formation in the above-referenced cases. These analysis supplement the OCD Form C-108 for each of the subject disposal wells which were previously filed with the Division.

Very truly yours,

A handwritten signature in black ink, appearing to read "William F. Carr".

WILLIAM F. CARR
WFC:mlh
Enclosures

UNICHEM INTERNATIONAL
P.O. BOX 1499 707 NORTH LEECH STREET
HOBBS, NEW MEXICO 88240

Marbob Energy Corp.
Drawer 217
Artesia, NM 88210

Report Date: March 31, 1992
Lab In Date: February 5, 1992
Sample Date: February 5, 1992

Dear Robert Chase

Listed below please find our water analysis report from Foster Eddy, Battery :

Specific Gravity: 1.132
Total Dissolved Solids: 185436
PH: 7.50
Ionic Strength: 3.298

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CATIONS:

mg/liter
Calcium: (Ca++) 3200
Magnesium: (Mg++) 340
Sodium: (Na+) 68544
Iron (Total) (Fe++) 2.00
Barium (Ba++) 2.30
Manganese: (Mn++) .02
Resitivity:

ANIONS:

Bicarbonate: (HCO3-) 683
Carbonate: (CO3--) 0
Hydroxide: (OH-) 0
Sulfate: (SO4--) 2669
Chloride: (Cl-) 110000

=====

GASES:

Carbon Dioxide: (CO2) *****
Oxygen: (O2) *****
Hydrogen Sulfide: (H2S) *****

=====

SCALE INDEX (Positive Value Indicates Scale Tendency) * indicates tests were not run.

Temperature	CaCO3 SI	CaSO4 SI
86F 30.00	1.62	-14.54
104F 40.00	1.85	-14.21
122F 50.00	2.16	-13.88
140F 60.00	2.47	-13.72
168F 70.00	2.82	-13.88
176F 80.00	3.22	-14.21

If you have any questions or require further information, please contact us.

Sincerely,

Sharon Wright
Laboratory Technician

cc: John Bedinfield
Marc Mitchell
Johnny Gray Jr.

cc: Joe Hay
Bill Polk

UNICHEM INTERNATIONAL
P.O. BOX 1499 707 NORTH LEECH STREET
HOBBS, NEW MEXICO 88240

Marbob Energy Corp.
Drawer 217
Artesia, NM 88210

Report Date: March 31, 1992
Lab In Date: February 5, 1992
Sample Date: February 5, 1992

Dear Robert Chase

Listed below please find our water analysis report from Fren, Battery :

Specific Gravity: 1.035
Total Dissolved Solids: 48952
PH: 7.30
Ionic Strength: 1.021

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CATIONS: mg/liter
Calcium: (Ca++) 2000
Magnesium: (Mg++) 2187
Sodium: (Na+) 13117
Iron (Total) (Fe++) 278.00
Barium (Ba++) 2.50
Manganese: (Mn++) .38
Resitivity:

ANIONS:
Bicarbonate: (HCO3-) 1757
Carbonate: (CO3--) 0
Hydroxide: (OH-) 0
Sulfate: (SO4--) 2891
Chloride: (Cl-) 27000

=====
GASES:
Carbon Dioxide: (CO2) *****
Oxygen: (O2) *****
Hydrogen Sulfide: (H2S) *****

=====
SCALE INDEX (Positive Value Indicates Scale Tendency) * indicates tests were not run.

Temperature	CaCO3 SI	CaSO4 SI
86F 30.0C	1.14	-8.04
104F 40.0C	1.36	-8.00
122F 50.0C	1.62	-7.54
140F 60.0C	1.96	-7.04
168F 70.0C	2.30	-6.11
176F 80.0C	2.66	-3.81

If you have any questions or require further information, please contact us.

Sincerely,

Sharon Wright
Laboratory Technician

cc: John Bedinfield
Marc Mitchell
Johnny Gray Jr.

bc: Joe Hay
Bill Polk



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

April 29, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

Marbob Energy Corporation
P.O. Box 217
Artesia, NM 88211-0217

Attention: Raye Miller

RE: Turner "B" Well Nos. 65 and 69. Sections 20 and 29, Township 17 South, Range 31 East, NMPM, Cedar Lake-Abo Pool, Eddy County, New Mexico. Division Order No. R-9666.

Dear Mr. Miller:

Reference is made to your letter dated April 5, 1993 requesting a time extension to convert said wells into salt water disposal wells. Pursuant to the provisions of Decretory Paragraph No. (9) of Division Order No. R-9666, issued in Case No. 10465 and 10466 and dated May 6, 1992, Marbob Energy Corporation as applicant in both cases is hereby granted a one-time three-year extension to said Order No. R-9666.

Injection authority for each of the two subject wells shall terminate automatically on May 6, 1996 if the operator has not commenced injection operations into the affected well.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay".

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Aztec
US Bureau of Land Management - Carlsbad
File: Case No. 10465
Case No. 10466
David R. Catanach - OCD, Santa Fe