

ROBERT D. FITTING & ASSOCIATES

Petroleum Engineering & Geological Consultants

MIDLAND, TEXAS 79704

March 15, 1965

Handwritten signature and scribbles

New Mexico Oil Conservation Commission
State Land Office Bldg.
College Avenue
Santa Fe, New Mexico

Attention: Mr. D. S. Nutter, Chief Engineer

Re: Case 3214 - Application of
Carter Foundation Production Co.
for a Waterflood Project in the
Teague-Simpson Pool, Lea County,
New Mexico

Gentlemen:

In connection with the captioned waterflood project, we are enclosing a copy of water analyses taken by Martin Water Laboratories on the Carter Foundation Production Company, Hill (Ellenburger) Lease, Lea County, New Mexico.

If you have any questions or desire additional information, please let us know.

Very truly yours,

Ven O. White

VOW:jd
Encl -

MARTIN WATER LABORATORIES

Box 1468 Monahans, Texas WI 3-4781

RESULT OF WATER ANALYSES

To: Mr. Roy E. Carter
P. O. Box 900, Kermit, Texas
Company Carter Foundation Production Company Lease Hill (Ellenburger)
County Lea State New Mexico

Source of Sample and Date Taken:
Pit Water - 12-31-64

CHEMICAL AND PHYSICAL PROPERTIES

Specific Gravity at 60 degs. F	1.1471
pH When Sampled	6.9
pH When Received	6.9
Total Alkalinity as CaCO ₃	50
Supersaturation as CaCO ₃	7
Undersaturation as CaCO ₃	-
Total Hardness as CaCO ₃	47,729
Calcium as CaCO ₃	36,919
Magnesium as CaCO ₃	10,810
Sulfate as SO ₄	370
Chloride as NaCl	206,033
Iron as Fe	6.6
Barium as Ba	0.0
Turbidity Electric	16.6
Color as Pt	2.3
Temperature Degs. F.	97
Carbon Dioxide, Calculated	13
Dissolved Oxygen, Winkler	0.0
Hydrogen Sulfide	0.0
Resistivity OHMS/CC at 60 Degs. F.	9.2
Total Suspended Oil	18.5

All Results Reported as Parts Per Million

By /S/ Waylan C. Martin, M.A.

CARTER FOUNDATION PRODUCTION COMPANY

P. O. Box 900
Kermit, Texas
February 4, 1965

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Gentlemen:

The Carter Foundation Production Company requests that a Hearing date be set for permission to inject water into the Simpson formation in their Hill #2M and Hill #3MD at an approximate depth of 9300' to 9500'. These wells are prorated in the Teague Field in Section 34, Township 23-South, Range 37-East, Lea County, New Mexico.

Attached is a plat, showing all wells within a two-mile radius of the injection with appropriate designations as to present producing horizons and of all other horizons that have produced oil or gas.

Diagrammatic sketches of the casing pattern and perforations of the injection wells are enclosed, together with electric logs of the wells.

The injection water will be obtained as produced water from the Ellenburger formation. It is estimated that approximately 1000 barrels of water per day will be injected into each input well.

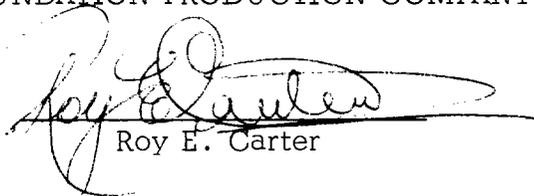
A copy of this application has been furnished the State Engineer's office, Box 1079, Santa Fe, New Mexico.

Please advise the date the Hearing will be processed.

Yours very truly,

CARTER FOUNDATION PRODUCTION COMPANY

By:


Roy E. Carter

REC:jd
Attch -
cc: State Engineer
P. O. Box 1079
Santa Fe, New Mexico

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

DOCKET MAILED

Date _____