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(915) 683-4616

ROBERT D. FITTING & ASSOCIATES, INC.
Petroleum Engineering & Geological Consultants
MIDLAND, TEXAS 79701

August 9, 1972

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Carter Foundation Production Company,
E. C. Hill Federal "E" No. 1,
Teague Ellenburger Pool,
Lea County, New Mexico
Conversion to Salt Water Disposal

Gentlemen:

Carter Foundation Production Company respectfully requests administrative approval to convert to salt water disposal within the Ellenburger Formation their E. C. Hill Federal "E" No. 1-A, Section 34, Township 23-South, Range 37-East, Lea County, New Mexico, in exception to Rule 701-A. According to Rule 701-C, this application is eligible for consideration without notice and hearing, as the water to be disposed and the water within the disposal formation are both mineralized and unfit for domestic, stock, irrigation or other general use. The disposal formation is older than Triassic and is nonproductive of oil or gas within two miles of the proposed injection well.

The last reported oil and gas production from the Teague Ellenburger Pool was in February 1971. All wells previously completed in the Teague Ellenburger Pool have been plugged and abandoned, recompleted in shallower pools, or used for water disposal. The exception is the proposed injection well and the Carter Foundation Production Company, E. C. Hill Federal "E" No. 2-H, Section 34, Township 23-South, Range 37-East. Pending further study, a proposal to recomplete or abandon No. 2-H will soon be submitted. Upon approval of this application, the present disposal well, E. C. Hill Federal "E" No. 5-E, Section 35, Township 23-South, Range 37-East, will be proposed for abandonment due to mechanical difficulties.

In support of this application, enclosed are the following:

1. Plat showing the location of the proposed disposal well and all other wells within a radius of two miles.

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2. Gamma Ray-Neutron log of the proposed disposal well.

3. A diagrammatic sketch of the proposed disposal well showing all casing strings and cement jobs, proposed tubing and packer setting, and open-hole interval.

4. Approximately 10 barrels per day of highly mineralized water produced from Fenque Devonian and Simpson wells will be disposed of by gravity flow into the Ellenburger open-hole interval ([illegible]-9733').

5. Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation.

6. Copies of the latest water analyses of produced Ellenburger water and the mixture of Devonian and Simpson waters for disposal.

7. Copy of Request for Waiver letter sent to surface lessee and all offset operators holding deep rights within one-half mile of the proposed salt water disposal well.

Correspondence regarding this application should be directed to 601 West Missouri, Midland, Texas 79701.

Yours very truly,

Robert D. Fitting

RDF:jd
Encl -

cc: State Engineer
Capitol Building
Santa Fe, New Mexico 87501

United States Department of the Interior
Geological Survey
P. O. Drawer 1857
Roswell, New Mexico 88201

2. Gamma Ray-Neutron Log of the proposed disposal well.

3. A diagrammatic sketch of the proposed disposal well showing all casing strings and cement jobs, proposed tubing and packer setting, and open-hole interval.

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7. Copy of Request for Waiver letter sent to surface lessee and all offset operators holding deep rights within one-half mile of the proposed salt water disposal well.

Correspondence regarding this application should be directed to 901 West Missouri, Midland, Texas 79701.

Yours very truly,

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Capitol Building
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5. Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation.

6. Copies of the latest water analyses of produced Ellenburger water and the mixture of Devonian and Simpson waters for disposal.

7. Copy of Request for Waiver letter sent to surface lessee and all offset operators holding deep rights within one-half mile of the proposed salt water disposal well.

Correspondence regarding this application should be directed to 301 West Missouri, Midland, Texas 79701.

Yours very truly,

[illegible signature]

Robert D. Fitting

[illegible]:jd
Encl -
cc: State Engineer
Capitol Building
Santa Fe, New Mexico 87501

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