



**FREEPORT OIL COMPANY • COMMERCE BUILDING, NEW ORLEANS**

A DIVISION OF FREEPORT MINERALS COMPANY

July 21, 1972

ADDRESS CORRESPONDENCE P.O. BOX 52349  
NEW ORLEANS, LA. 70152

Mr. A. L. Porter, Jr., Secretary-Director  
New Mexico Oil Conservation Commission  
P.O. Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Porter:

RE: STATE OF NEW MEXICO NO. 1  
WEST GARRETT (DEVONIAN) FIELD  
SEC. 32, T-16-S, R-38-E  
LEA COUNTY, NEW MEXICO

We hereby submit the enclosed material as application for disposal of salt water produced from the West Garrett (Devonian) Field into the referenced well. Specifically we are enclosing the following:

- 3 copies of a plat with 2 miles + radius around well,
- 1 copy of Gamma Ray-Sonic Log of well from surface to total depth,
- 3 copies of a Diagrammatic Sketch of the proposed injection well,
- 3 copies of Form C-108, Application to Dispose of Salt Water by Injection into a Porous Formation,
- 3 copies of a Laboratory Water Analysis of the water to be disposed of,
- 3 copies of Summary of Drill Stem Tests.

The referenced well was permitted as a Devonian test for oil with a proposed total depth of 13,200 feet. However, the well was running structurally low and was abandoned October 5, 1970 in the Mississippian at a total depth of 12,350 feet. The diagrammatic sketch of the well indicates several cement plugs below the 8 5/8" casing which

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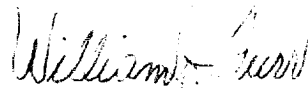
were set at the time of abandonment. The surface plugs and the plug at the 8 5/8" casing base are not shown since they will be removed to prepare the well for injection. It is our intention to check for injection into the San Andres formation. If the San Andres will accept water, all plugs shown on the sketch will be left in place. If not, our request is to drill out the top three plugs on the sketch to allow for salt water disposal into the Wolfcamp formation. The enclosed summary of drill stem tests shows that two intervals of porosity in the Wolfcamp were tested and both tests produced salt water.

As shown on the plat, the only oil or gas production in this area from formations which this well penetrates is from the Garrett (Drinkard) Field approximately two miles northeast of the proposed injection well. Our correlation to the Drinkard formation is marked on the Gamma Ray-Sonic Log with no apparent porosity in the interval.

Form C-103 with a detailed description of the proposed operation along with a copy of the disposal application is being mailed to your District I office in Hobbs.

We have attempted to demonstrate that our proposal to dispose of salt water in the referenced well will be into a formation older than Triassic which is non-productive of oil or gas within a radius of two miles and that both the water to be disposed of and the water occurring naturally within the disposal formation is mineralized to such a degree as to be unfit for domestic, stock, irrigation or other general uses. It is, therefore, respectfully requested that administrative approval be granted for our application to dispose of salt water into the above referenced well.

Very truly yours,



William J. Furr  
Ass't Supt. Drilling & Production

WJF/bmc  
Enc.