

# DANIEL S. NUTTER

REGISTERED PETROLEUM ENGINEER

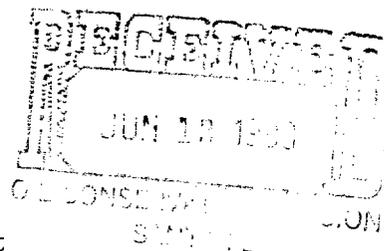
PETROLEUM CONSULTATION AND STATE AND FEDERAL REGULATORY SERVICES

105 EAST ALICANTE

SANTA FE, NEW MEXICO 87501

PHONE (505) 982-0757

June 13, 1983



Mr. Joe D. Ramey  
Division Director  
Oil Conservation Division  
New Mexico Energy and Minerals Department  
Post Office Box 2088  
Santa Fe, New Mexico 87501

RE: Amendment, Administrative  
Order SWD-255

Dear Mr. Ramey:

Pursuant to authority granted by you in Administrative Order SWD-255, Warren Petroleum Company, a Division of Gulf Oil Corporation, re-entered the Gulf Oil Corporation Maud Saunders Well No. 4, located in Unit L of Section 34, Township 14 South, Range 33 East, NMPM, Saunders Field, Lea County, New Mexico, and attempted to convert the well to water disposal purposes in the authorized interval from the 8 5/8-inch casing shoe at 4280 feet to the top of the old 5 1/2-inch casing stub at 4597 feet.

The well would not take water at reasonable pressures, however, in the authorized interval, and on May 27, 1983, you gave verbal approval to clean the well out to the top of the old casing stub and re-enter same, perforate any apparent porosity and permeability down to the top of the cement on the 5 1/2-inch casing at 7795 feet, and attempt to establish sufficient injectivity rates anywhere between 4280 feet and 7795 feet.

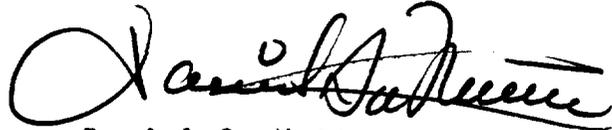
Pursuant to this verbal authority, the top of the 5 1/2-inch casing stub was dressed off, and a 7 5/8-inch cut lip guide shoe was run on ten joints (414.78 feet) of 5 1/2-inch casing and tied onto the old casing stub at 4638 feet. The top of this new 5 1/2-inch casing is at 4219 feet. The 5 1/2-inch casing was then perforated from 4620-30, 4645-50, 4773-83, 4845-55, 4890-4900, 4937-47, 5000-10, and 5030-50 feet. The entire perforated interval from 4620 feet to 5050 feet was treated with a total of 800 gallons of 15% NEFE HCL and 5000 gallons of 20% NEFE HCL acid. Injectivity tests were

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then run, and the well will now take water at the rate of two barrels per minute on a vacuum.

Warren Petroleum Company now respectfully requests that Administrative Order SWD-255 be amended to permit disposal of water into the perforated interval from 4620 feet to 5050 feet and that the maximum injection pressure allowed be increased to 924 psi.

Very truly yours,



Daniel S. Nutter

DSN:en

xc: Mr. Jerry T. Sexton  
District Supervisor  
New Mexico Oil Conservation Division  
P. O. Box 1980  
Hobbs, NM 88240

Warren Petroleum Company  
P. O. Box 1589  
Tulsa, OK 74102

Attn: Ms. Lynn T. Reed

Warren Petroleum Company  
P. O. Box 1689  
Lovington, NM 88260

Attn: Mr. Forrest C. Noah

Gulf Oil Corporation  
Hobbs, NM 88240

Attn: Mr. Ray Clark