

MARTIN YATES, III
1912 - 1985
FRANK W. YATES
1936 - 1986



105 SOUTH FOURTH STREET
ARTESIA, NEW MEXICO 88210
TELEPHONE (505) 748-1471

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TREASURER

RECEIVED

JAN 22 '90

O. C. D.
ARTESIA, OFFICE

January 19, 1990

NMOCD
P. O. Box 2088
Sante Fe, New Mexico 87501

Attention: David Catanach

RE: Request for Injection Pressure Limit Increase
SWD - Bate Federal #1, I 3-20S-24E Eddy County

Dear Mr. Catanach:

The Bate Federal #1 has been limited to a wellhead injection pressure of 842 psi by Order No. SWD-371. According to rule 704-C, a step-rate test was conducted on January 11, 1990 on the Bate Federal #1 salt water disposal well. The test was witnessed by Johnny Robinson of the Artesia NMOCD office.

John West Engineering of Hobbs, New Mexico conducted the test. The results of the step-rate test are enclosed.

As you know per your conversation with Johnny Robinson of the Artesia NMOCD, we ran out of pump capacity during the test. We could not inject at higher rates than 7 BPM (10,272 BWPD was the last recorded rate). According to the data, we had not yet reached the parting pressure at the time the pumps went down.

Rather than conducting another test at this time, Yates Petroleum respectfully requests an increase of the pressure limit on the Bate Federal #1 to 1255 psi. This is the final recorded pressure with the tool set at 4180 ft. The top perforation is at 4238 ft.

Should you have any questions, please do not hesitate to call. We appreciate your granting us permission to increase the injection pressure.

Sincerely,

Theresa Padilla
Petroleum Engineer

xc: NMOCD
Artesia, NM 88210