

VII. Proposed Operation

1. Average injection rate 1000 BWPD, maximum rate 5000 BWPD.
2. Closed system.
3. Average injection pressure 800 psi, maximum pressure 2000 psi.
4. Bone Springs, Yates (See Attachments 2 and 3).
5. San Andres water analysis from well located approximately 5.3 miles northwest of State DW #4 (Attachment 4).

VIII. Geologic Data

Injection zone: San Andres
Thickness: 742'
Lithology: Dolomite
Depth: 5114' (-996')
Depth of Bottom of Deepest Fresh Water Zone in Area: 300'

IX. Proposed Stimulation Program

Acidize with 8000-10,000 gallons 15% NeFe HCl.

X. Well Logs on File

NMOCD Potential (10-27-84): Pumped 36 bbls of 40.0° API gty oil
and 28 bbls load water in 24 hours. GR 44.2 MCFD, GOR 1228,
6 X 144" SPM, CDA 36 BOPD

Other Test Data:

12-1-84: Pumped 8 BOPD, 20 BWPD in 24 hours
12-18-84: Pumped 8 BOPD, 21 BWPD, 35 MCFD in 24 hours
3-6-85: Pumped 11 BOPD, 108 BWPD in 24 hours

IX. Water Analysis From Well Located Approximately 1056' FSL, 634' FEL
Section 12, Township 18S, Range 33E (Attachment 5).

No other fresh water wells within 1 mile of State DW #4 are available

XII. Available engineering and geologic data for the vicinity of State DW #4
has been examined and no evidence of open faults or any other hydrologic
connection between the disposal zone and any underground source of drink-
ing water was found.