



ALPHA TWENTY-ONE PRODUCTION COMPANY

505-395-3056
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December 7, 1984

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

RE: Gregory "A" Federal No. 3
660' FNL & 660' FWL,
Sec. 33, T-25-S, R-37-E,
Lea County, New Mexico

Gentlemen:

Enclosed for your review and approval find our Application for Authorization to Dispose Produced Water into a Zone Non-Productive of Oil and Gas for the above captioned well.

The proposed salt water disposal well is currently temporarily abandoned. Records show that the well was originally drilled to 4000', but plugged back to 3240' with 275 sacks of cement. The well was then produced in the Queen formation through open-hole from 3085' to 3240' as an oil well in the Langlie Mattix pool.

Alpha Twenty-One Production Company proposed to re-enter the well and drill out the cement to the original TD of 4000'. We would then log, set a liner from 2900' to 4000', cement, perforate, and acidize with 1000 gallons. Attached please find an injection well data sheet showing the well after re-entry operations are complete and ready for disposal.

The produced water for disposal will come from our El Paso Tom Federal lease, Sec. 33, T-25-S, R-37-E, Lea County, New Mexico. The average rate should be 23 BW/hour with a maximum rate of 549 BWPD. We can expect the average volume to be 300 BWPD with a maximum volume of 500 BWPD. The system will be closed using a production packer. The average injection rate anticipated will be 800 psi with a maximum rate of 1200 psi. The non-productive zone for disposal will be the San Andres, but since there are no producing San Andres well within a two-mile radius, chemical analysis could not be obtained for the San Andres formation, however chemical analysis for the produced water to be disposed is attached.