

C-108
Application For Authorization To Inject
Yates Petroleum Corporation
Aqueduct SWD #1
P 17-19S-32E
Lea County, New Mexico

- I The purpose of completing this well is to make a disposal well for produced Delaware Sand water into the Delaware Sand formation.

Yates Petroleum plans to convert this well to a water disposal well into the Delaware Sand.

- II Operator: Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210
Kenneth L. Collins (505)748-1471

- III Well Data: See Attachment A

- IV This is not an expansion of an existing project.

- V See attached map, Attachment B

- VI 11 wells within the area of review penetrate the proposed injection zone.

- VII 1. Proposed average daily injection volume approximately 200 BWPD.
Maximum daily injection volume approximately 1000 BWPD.

2. This will be a closed system.

3. Proposed average injection pressure-unknown.
Proposed maximum injection pressure--1000 psi.

4. Sources of injected water would be produced water from the Delaware Sand.
(Attachment C)

5. See Attachment C

- VIII 1. The proposed injection interval is the portion of the Delaware Sand formation consisting of porous sandstone from estimated depths of 5002' to 7170'.

2. Fresh water zones overlie the proposed injection formations at depths to surface casing 802'. There are no fresh water zones underlying the formation.

- IX The proposed disposal interval may be acidized and/or proppant fracture treated.

- X Logs were filed at your office when the well was drilled in 1989.