

## GEOLOGICAL DATA

(Section VIII, Form C-108)

Disposal is proposed by injection into the Townsend Wolfcamp formation in the perforated interval 10546-10598 in the Charles B. Gillespie, Jr. State D Well no. 3. Located 3000 feet from the South line and 330 feet from the West line of Section 1, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico.

The Townsend Wolfcamp formation in this well, as well as throughout the general area, is limestone of Wolfcampian stage of permian age. The top of the Townsend Wolfcamp formation in the proposed disposal well occurs at 10525', while the base of the formation is found at 10620' est. The Townsend Wolfcamp formation is productive of oil and gas in the general area.

Fresh water may be found in the Ogallala formation in the vicinity of the proposed well. This ground water is usually found at depths of less than 120 feet and all oil wells drilled in the area have surface casing set and cemented to a depth of at least 290 feet, and in most cases deeper.

There are no other known fresh water sands overlying the proposed disposal zone, and there are no known fresh water sands underlying the disposal zone anywhere in the vicinity.

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