

proposed Pennzoil Federal Well No. 2 and its existing ranch road and suggests that work-related activities proceed in accordance with company plans.

Modifications to Existing Road

Location

The proposed modifications to the existing ranch road will involve approximately 2600 ft of roadbed. It will measure 12 ft in breadth and will be situated in the:

SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 12, T19S, R33E, NMPM, Lea County, NM
 SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 7, T19S, R33E, NMPM, Lea County, NM
 NW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 7, T19S, R33E, NMPM, Lea County, NM

Map Reference: USGS LAGUNA GATUNA QUADRANGLE, 15 Minute Series, 1963.

Terrain

Areally speaking, this landform is situated wholly within the bounds of the Querecho Plains. This portion of the Querecho Plains is notable for its thick deposit of lacustrine sediments which underlie the coeval surface. Presently, several stabilized dune fields distinguish the contemporary landform. Hummocks, ranging up to 5 m or more, mark the immediate area. In general, these features tend to be stable and are associated with closed, circular, and sometimes, elliptically-shaped deflation basins. Soils uniformly belong to the Typic Torripsamment subgroup and lack lithic inclusions. Chert gravels do occur in deeper deflations on the south owing to a diminution of lacustrine sediments there. This latter area appears to have been close to the shoreline of the Pleistocene-aged lake as lithic inclusions are absent from localities farther north.