

Greenwood Unit Well No. 11Location

The proposed drilling location measures 450 X 450 ft and is situated in the:

NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 34, T18S, R31E, NMPM, Eddy County, New Mexico (BLM)

The proposed access right-of-way measures 12 X 100 ft and is situated in the:

NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 34, T18S, R 1E, NMPM, Eddy County, New Mexico (BLM)

Map Reference: USGS Clayton Basin Quadrangle, 15 Minute Series, 1942.

Terrain

The proposed construction site is located on a slightly undulating portion of the Querecho Plains about 16 miles south of Maljamar, New Mexico. Locally, soils are sandy loams and loamy sands and belong to either the Paleorthids-Haplargids or Haplargids-Torripsammets Association as both occur locally. Shallow deflation basins (.25 - .5 m) are present but attain greater size outside the investigated area. Caliche gravels and, to a lesser extent, cobbles occur as inclusions in local soils.

Floristics

Quercus havardii, Prosopis juliflora, Yucca glauca, Gutierrezia sarothrae, Eriogonum annuum, Bouteloua eriopoda, Scleropogon brevifolius, and Eragrostis intermedia are the predominant plants at this locality. Deflation basins generally support communities of grasses and Eriogonum while shrubs dominate stabilized areas.

Cultural Resources

No archaeological sites were recorded; however, one isolated manifestation was noted. IM-1 consists of a chert primary decortication flake near the northwest corner of the proposed well pad. Coeval trash is present along the right-of-way