

Terrain

Local terrain is distinguished by a gently undulating plain which trends toward the west into a depressional trough which is oriented on a north-south axis. Soils are sandy clay loam and contain caliche fragments. Soil individuals are Typic Haplargids and are redish brown (5YR 5/3 moist).

Floristics

Observed plants include a nearly pure stand of Gutierrezia sarothrae which is mixed in often complex associations with Croton sp., Prosopis juliflora, Artemisia filifolia, Quercus havardii, and Ephedra trifurca in terms of decreasing occurrence. Eriogonum wrightii, Senecio longilobus, Solanum spp., and Salsola kali. The area has been chained in the recent past for the removal of Prosopis juliflora.

Cultural Resources

No archaeological sites, or isolated manifestations, were recorded during this reconnaissance.

Recommendations

ACA recommends clearance for the proposed drill location and access road and suggests that construction proceed without modification of existing plans.

Federal J Well No. 1

Location

The proposed location measures 450 X 450 ft and is situated 660 ft from the west line and 1980 ft from the north line. The pad will be constructed in the:

SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 6, T26S, R27E, N27M, Eddy County, New Mexico (^{BLM}~~Private~~ Surface/
BLM-Mineral)

Owing to the nature of local topography, two access roads were reconnoitered for this location. The primary and preferred route will follow an existing