

### Terrain

The proposed location is situated on a gently undulating plain at an elevation of 3245 ft. The plain in this region declines gently to the southeast. The soils in this area are extremely rocky loams. These may be classified as Typic Paleorthids. The lithic content of the soil in this immediate area approaches 35%.

### Floristics

A sparse floral community is present in this area. The density of plant cover reaches a maximum of 20%. The shrubs present include Prosopis juliflora, Gutierrezia sarothrae, Perezia nana, and Opuntia spp. (cylindropuntia and platyopuntia). Graminae encountered include Hilaria mutica and Scleropogon brevifolius.

### Cultural Resources

ACA did not encounter any archaeological sites, or isolated manifestations, either within or near the proposed well location or access road.

### Recommendations

ACA recommends clearance for the proposed well pad and access road and suggests that construction be allowed to proceed as planned.

### South Maddox Unit No. 34

### Location

The proposed well is situated 6.8 miles northeast of Jal, New Mexico and  $2\frac{1}{2}$  miles east of NM 18. The well is 1980 ft FNL and 1830 ft FSL in the:

SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 15, T24S, R37E, NMPM, Lea County, New Mexico (BLM)

The well is approached from the north by an access road which measures 12 X 300 ft in the:

SE $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 15, T24S, R37E, NMPM, Lea County, New Mexico (BLM)

Map Reference: USGS Jal NW Quadrangle, 7.5 Minute Series, 1969.