

### Terrain

The proposed drill location is situated within a large deflation basin which is bounded on the north by a dune field and on the south by a shallow wash. The dominant soil type is a yellowish-gray (2.5 Y 6/2) sand of aeolian origin.

### Floristics

Quercus havardii, Artemisia filifolia, and Yucca glauca are dominant in this area. Other species, such as Gutierrezia sarothae and Chrysothamnus nauseosus occupy disturbed areas.

### Cultural Resources

Three chert flakes were observed by the archaeologist: two at the northwest corner stake and one near the southeast corner stake. Of these, two were truncated close to the platform while the third had unifacial retouch on one edge.

### Recommendations

Owing to the nature of cultural remains, ACA recommends clearance for Amoco's location and suggests that work-related activities proceed according to plan.

### Gillully "B" Federal Well No. 17

### Location

The proposed drill location measures 400 x 400 ft and is situated in the:

NW<sup>1</sup><sub>4</sub>NE<sup>1</sup><sub>4</sub>, Section 21, T20S, R37E, NMPM, Lea County, New Mexico (BLM)

Map Reference: USGS Monument Quadrangle, 15 Minute Series, 1963.

### Terrain

The proposed drill site is situated within a deflation basin. Soils are predominantly aeolian in origin, composed of sand-sized grains, and are yellowish-gray (2.5Y 6/2). The area has been disturbed by the construction of an access road.