

## INTRODUCTION

An archaeological reconnaissance was recently completed by the Agency for Conservation Archaeology, Eastern New Mexico University, Portales, for Amoco Production Company in Lea County, New Mexico. The area will be impacted by the construction of a drill pad location and an access road. The project was completed under Federal Antiquities Permit No. 77-NM-021.

The project was administered by Mr. Bob Couch, representative for Amoco Production Company, and Dr. J. Loring Haskell, Director - Principal Investigator, Agency for Conservation Archaeology, Eastern New Mexico University, Portales.

The project was completed by Eduardo A. Mimilaga on 21 December 1977.

## SURVEY TECHNIQUE

The archaeologist walked the drill site in a series of 20 ft transects. The proposed access road was reconnoitered in a mild zigzag pattern. Areas lying immediately outside the proposed drill location and access road were also investigated for evidence of man's past activities. These techniques permitted optimal conditions for examination of areas of primary and secondary impact.

## Nellis Federal Well No. 3

### Location

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

SW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 8, T19S, R33E, NMPM, Lea County, New Mexico (BLM)

The proposed access right-of-way measures 12 x 1,320 ft and passes through the:

SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 7, T19S, R33E, NMPM, Lea County, New Mexico (BLM)

Map Reference: USGS Laguna Gatuna Quadrangle, 15 minute series, 1962.

### Terrain

Local terrain consists of an undulating plain. Aeolian sand deposits cover