



# NMAS

## New Mexico Archaeological Services, Inc.

P. O. Box 1341  
Carlsbad, New Mexico 88220  
(505) 887-7646

27 April 1979

*Reconnaissance  
Excavation  
Analysis  
Explanation  
Curation*

Mr. Walter W. Krug  
Wallen Drilling and Production  
P.O. Box 1960  
Midland, Texas 79702

Dear Mr. Krug:

Enclosed please find NMAS' Archaeological Clearance Report for Wallen Production Company's proposed Nadine Well No.2 and access road in Lea County, New Mexico. No cultural resources were recorded during this reconnaissance, and hence NMAS is suggesting clearance.

If you have any questions pertaining to our report, please call my office. Thank you for asking NMAS to do this reconnaissance.

Yours sincerely,

*J. Loring Haskell*  
Dr. J. Loring Haskell  
Principal Investigator

Enclosure

cc: Mr. Thomas Zale, BLM, Carlsbad  
Ms. Ann Ramage, BLM, Roswell  
Mr. Jim Simms, USGS, Hobbs  
Mr. Stewart L. Peckham, Laboratory of Anthropology,  
Santa Fe  
Mr. Thomas W. Merlan, SHPO, Santa Fe

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Archaeological Clearance Report  
for  
Wallen Production Company

Nadine Well No.2

Prepared

By

Dr. J. Loring Haskell

Submitted

By

Dr. J. Loring Haskell  
Principal Investigator  
New Mexico Archaeological Services, Inc.  
Carlsbad, New Mexico

27 April 1976

Permit No. 76-NM-120

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## Introduction

On 26 April 1979, New Mexico Archaeological Services, Inc., Carlsbad, undertook for Wallen Production, Midland, an archaeological reconnaissance of lands administered by the Bureau of Land Management in Lea County, New Mexico. Reconnoitered areas will be impacted by the construction of a drill location and an associated access road. This project was administered by Mr. Walter Krug, President, Wallen Production Company, and Dr. J. Loring Haskell, Principal Investigator, NMAS. Dr. Haskell was assisted in the field by Mr. Charles A. Aylward, Staff Archaeologist, NMAS.

## Survey Technique

Wallen Production Company's proposed location was investigated for evidence of man's past activities by walking it in a series of 20 ft wide, close interval ( $15^{\circ}$  or less), zigzag transects. In addition, an added zone embracing 20 ft on each side of the location, and hence lying outside the 400 X 400 ft core area, was examined by a similar means as was the access road. Combined these technique served to promote optimal conditions for the visual examination of areas to be impacted by construction-related activities.

Nadine Well No.2

## Location

This location will measure 400 X 400 ft on federal lands and will be situated 660 ft from the north line and 660 ft from the west line of: ~~EXISTING WELL~~

Section 23, T19S, R36E, N40M, Lea County, NM

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Thus it will be situated in the:

NW $\frac{1}{2}$ NW $\frac{1}{2}$ , Section 23, T19S, R38E, NMPM, Lea County, NM

The associated access road will measure 12 X 450 ft on federal land.

NW $\frac{1}{2}$ NW $\frac{1}{2}$ , Section 23, T19S, R38E, NMPM, Lea County, NM

Map References:

USGS Hobbs East, 7.5 Minute Series, 1969.

USGS Hobbs West, 7.5 Minute Series, 1969.

Terrain

Topographically, the investigated location is situated on a broad and featureless plain south of Hobbs. An extensive subsidence basin lies to the south-southeast and is of probable Pleistocene age. Associated soils consist of silty clay loams and clay loams containing occasional caliche inclusions. In general, peds are thin and calcareous in nature. A zone of semi-stabilized dunes and deflation basins lies to the southeast.

Floristics

Soil individuals supports a sparse overstory of Prosopis juliflora which ranges between 1 and 3 m in height. At the present time, the understory is dominated by a more or less unbroken mat of flowering annuals. Principal types include: Phacelia sp., Erigeron sp., Nama sp., Sphaeralcea sp., Penstemon sp., and Lesquerella sp. In addition, Cirsium sp., Senecio longilobus, Solanum elaeagnifolium and Gutierrezia sarothrae were noted. Grasses which are not abundant, include Aristida sp., Bouteloua eriopoda, and Setaria macrostochya. Cactaceae is limited to Opuntia sp. (cylindropuntia and platyopuntia).

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### Cultural Resources

No archaeological sites or isolated manifestations were recorded during this reconnaissance. Locally, archaeological sites occur principally in dune fields situated to the north-east and southeast of the project area. Isolated manifestations in the form of solitary projectile point or scrapers occur on a random basis elsewhere on this landform. Related-activities centered on hunting and attendant tasks.

### Recommendations

NMAS recommends clearance for Wallen Production Company's proposed Nadine Well No. 2 and its associated access road and suggests that work-related activities proceed in accordance with existing plans.

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