

on lands administered by the
Department of the Interior
Bureau of Land Management
Roswell District, New Mexico

ASC PERMIT NO.: 18-2920-90-E
ASC Job No.: 90-247; Harvey E.
Yates Company Cabin Lake 34
Federal Well No. 1 & Access

1. **ABSTRACT:** intensive archaeological survey of the Harvey E. Yates Company Cabin Lake 34 Federal Well No. 1 (660 ft. NS x 700 ft. EW, 10.61 acres), and access road R/W (1730 ft. long x 100 ft. wide, 3.97 acres), with a total federal land surface of 14.58 acres was inspected for cultural remains.

Archaeological survey revealed 2 Isolated Finds, which do not appear significant past the level of field recording. Therefore, archaeological CLEARANCE for the Cabin Lake 34 Federal Well No. 1 and access road R/W is RECOMMENDED.

2. **WELL PAD LOCATION:** T21S, R30E, Section 34, SE $\frac{1}{4}$ SE $\frac{1}{4}$ (330 FSL, 990 FEL). **ACCESS ROAD R/W LOCATION:** T21S, R30E, Section 34, SE $\frac{1}{4}$ SE $\frac{1}{4}$; NE $\frac{1}{4}$ SE $\frac{1}{4}$. Section 35: NW $\frac{1}{4}$ SW $\frac{1}{4}$. Eddy County, New Mexico.

Map Reference: U.S.G.S. 7.5 minute series, LIVINGSTON RIDGE, NEW MEXICO, 1985. Land Status: BLM, Roswell District, Carlsbad Resource Area, New Mexico.

3. **PROJECT DESCRIPTION:** well pad (660 ft. NS x 700 ft. EW, 10.61 acres), and access road R/W (1730 ft. long x 100 ft. wide, 3.97 acres), with a total federal land surface of 14.58 acres was inspected for cultural remains.

TOPOGRAPHY: situated on the Mescalero Pediment, between Livingston Ridge and Quahada Ridge, in an area of deep aeolian deposits, ca. $\frac{1}{4}$ mile SE of Nash Draw; the project area is within an area of active dunes, eroded to a depth of 4 metres in places, at the SW end of a dune ridge system which extends ca. $\frac{1}{2}$ mile to the NE. The active dunes are deflated, in places, to a depth of 4 metres below the crest of the dunes, with a red clay sand exposed in the deflated areas. The terrain to the south of the active dunes is undulating, with deflation confined to shallow blowouts, and elongate deflated areas amidst vegetation. North of the active dunes and the noted dune ridge system, the terrain is stabilized with few deflation basins. **Soils:** straddles the interface of Active Dunes & Kermit-Berino fine sands. **Permanent Water:** Laguna Plata, ca. 12 miles N/NE. **Potential Water:** Nash Draw, 0.3 miles NW. **Elevation:** 3177 ft. to 3203 ft. **Slope:** 0.6° to 11.3°. **Aspect:** SW & NW. **Lithic Resources:** not available in the project area. **Vegetation:** Grassland Formation, scrub-grass scrub disclimax community.

4. **EXAMINATION PROCEDURE:** straight and zig-zag transects, spaced no further than 15 metres apart, inspection of all deflation basins, with dogleash transects in the area of cultural materials. **Work Hours on Ground:** 4.0. **Project Delineation:** staked by client. **Visibility:** ground ca. 65%, with 100% in deflation basins and active dunes; weather, sunny.

5. **FINDINGS:** BLM records (Ruebelmann, 1/02/91) do not indicate the prior recording of sites in Section 34 (T21S, R30E).

Archaeological survey revealed 2 Isolated Finds, which do not appear significant past the level of field recording:

I.F. # 1: UTM ZONE 13; 606,955 m.E; 3,588,470 m.N. T21S, R30E, Section 34, SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Eddy County, New Mexico. Elevation: 3184 ft. Situated on a sterile soil contact, within a large area in the midst of an area of active dunes. Artifacts: ca. 8 burnt caliche fragments, scattered in a 2 metre diameter area; 1 gray chert, prepared platform, tertiary flake (4.3 x 4.0 x 1.7 cms. thick).

I.F. # 2: UTM ZONE 13; 606,955 m.E; 3,588,515 m.N. T21S, R30E, Section 34, NW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Eddy County, New Mexico. Elevation: 3190 ft. Situated on a sterile soil contact, within a large area in the midst of an area of active dunes. Artifacts: ca. 1 burnt caliche cobble.

6. **RECOMMENDATIONS:** archaeological CLEARANCE for the Cabin Lake 34 Federal Well No. 1 and access road R/W is RECOMMENDED.

Date(s) of Examination: January 21, 1991

Project Archaeologist: D.M. Griffiths

Principal Investigator: [Signature]