

ARCHAEOLOGICAL SURVEY CONSULTANTS

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

Exhibit D

CULTURAL RESOURCES EXAMINATION

ASC PERMIT NO.: 18-2920-92-F
ASC Job No.: 92-223; Merit Energy Company Sundance Federal Well No. 4 and Access Road R/W

1. **ABSTRACT:** intensive archaeological survey of the Merit Energy Company Sundance Federal Well No. 4 (400 ft. sq., 3.67 acres), and access road R/W (920 ft. long X 100 ft. wide, 2.11 acres). A total federal land surface of 5.78 acres was inspected for cultural remains.

Archaeological survey did not reveal any cultural resources. Therefore, archaeological CLEARANCE for the Merit Energy Company Sundance Federal Well No. 4 and access road R/W is RECOMMENDED.

2. **LEGAL LOCATION:** T24S, R31E, Section 5, NW $\frac{1}{4}$ NE $\frac{1}{4}$ [660 FNL, 1980 FEL]. **ACCESS ROAD R/W LOCATION:** T24S, R31E, Section 5: NW $\frac{1}{4}$ NE $\frac{1}{4}$ & NE $\frac{1}{4}$ NE $\frac{1}{4}$. Eddy County, N.M.

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

3. **PROJECT DESCRIPTION:** well pad (400 ft. sq., 3.67 acres), and access road R/W (920 ft. long X 100 ft. wide, 2.11 acres). A total federal land surface of 5.78 acres was inspected for cultural remains.

TOPOGRAPHY: situated ca. 11.5 miles E of Salt Lake, & 6.6 miles east of Nash Draw, in an area of relatively level to gently rolling aeolian topography, which slopes to the NNE. The project area is relatively flat, with low relief, with the exception of a dune rise in the NW quadrant of the pad, and a drainageway crossed by the access road ca. 500 ft. east of the pad. Slightly undulating terrain occurs in the NW quadrant and part of the S $\frac{1}{2}$ of the well pad. Undulating aeolian terrain, with rare dune rises, occurs along the access road R/W. Deflation basins are primarily restricted to the dune rises, with shallower deflation basins elsewhere. **Soils:** Berino complex sands. **Permanent Water:** Pecos River, ca. 10.75 miles W/SW. **Potential Water:** sunken basin, ca. 0.75 miles N. **Elevation:** 3393 ft. to 3403 ft. **Slope:** 0.52° to 1.91°. **Aspect:** N/NE. **Lithic Resources:** not available in the immediate vicinity. **Vegetation:** Grassland Formation, Scrub-grass scrub disclimax community.

4. **EXAMINATION PROCEDURE:** straight and zig-zag transects, spaced no greater than 15 metres apart. **Work Hrs. on Ground** 1.0. **Project Delineation:** staked by client. **Visibility:** ground, ca. 65% generally, with 100% in deflation areas. **Weather:** sunny.

5. **FINDINGS:** BLM records (Kyte, 11/30/1992) do not indicate prior recording of archaeological sites within Section 5 (T24S, R31E).

Archaeological survey did not reveal any cultural resources.

6. **RECOMMENDATIONS:** archaeological CLEARANCE of the Merit Energy Company Sundance Federal Well No. 4 and access road R/W is RECOMMENDED.

Date of Examination: December 2, 1992

Project Archaeologist: _____

Principal Investigator: _____

D M. Griffiths.