

COVER PAGE

**Must Accompany All Project Reports
Submitted to the Utah SHPO**



UDSH Project Number: U20MM0717

Report Title: Running Foxes Petroleum: Class III Cultural Resource Inventory for the STARFOX 31-1A Well Pad and Access Road, Grand County, Utah

Report Date: September 30, 2020

Org. Project Number: 2020.UT.011

County(ies): Grand

Report Author(s): Aaron Whittenburg

Principal Investigator: Kimberly Kintz

Record Search Date(s): August 12, 2020

Field Supervisor(s): Aaron Whittenburg, Natasha Krasnow, Garrett Williams

Intensive Acres Surveyed (<15m intervals): 20
USGS 7.5' Series Map Reference(s): Danish Flat 1970

Recon/Intuitive Acres Surveyed (<15m intervals): 0

Sites Reported	Count	Smithsonian Trinomials
Revisits (no updated site forms)	0	
Updates (updated site forms provided)	0	
New recordings (site forms provided)	0	
Total Count of Archaeological Sites in APE	0	
Historic Structures (structures forms provided)	0	
Total National Register Eligible Sites	0	

*Please list all site numbers per category. Number strings are acceptable (e.g. "42TO1-13; 42TO15"). Cells should expand to accommodate extensive lists.

Checklist of Required Items for Submittal to SHPO

- X "Born Digital" Report in a PDF/A format
 - X SHPO Cover Sheet
 - X File Name is the UDSH Project Number with no hyphens or landowner suffixes
- "Born Digital" Site forms in PDF/A format
 - UASF with embedded maps and photos
 - File name is Smithsonian Trinomial without leading zeros (e.g. 42TO13 not 42TO00013)
 - Photo requirements (including size and quality)
- Archaeological Site Tabular Data
 - Single spreadsheet for each project
 - Follows UTSHPO template (info here: <https://goo.gl/7SLMqj>)
- X GIS data
 - X Zipped polygon shapefile or geodatabase of survey (if different from APE) or other activity area with required field names and variable intensity denoted
 - Zipped polygon shapefile or geodatabase of site boundaries with a the required field name

Summary Report of Cultural Resources Inspection

PROJECT NUMBER: U20MM0717

Report Title: Running Foxes Petroleum: Class III Cultural Resource Inventory for the STARFOX 31-1A Well Pad and Access Road, Grand County, Utah

1. Report Date: September 30, 2020
2. Date(s) of Survey: September 1, 2020
3. Development Company: Running Foxes Petroleum, Inc.
4. Responsible Institution: Metcalf Archaeological Consultants, Inc.
5. Principal Investigator: Kimberly Kintz
6. BLM Field Office: Moab Field Office (MFO)
7. County(ies): Grand
8. NEPA Number:
9. Fieldwork Location:
USGS Map: Danish Flat 1970

Twn: 20 South Range: 24 East Section: 31

10. Description of the Undertaking (including the Area of Potential Effects):

The proposed project involves the construction of a well pad approximately one acres in size and about 200 feet of access road. The proposed well pad measures 200 feet by 200 feet, oriented approximately northwest/southeast. Cut and fill will be necessary, resulting in an area of disturbance larger than the finished pad. The maximum cut (4.9 feet) will be located on the southern corner of the pad; the maximum fill (5.5 feet) will be located on the northern corner of the pad. The proposed access road begins at an existing crown-and-ditch gravel road and proceeds southwest to the well pad. The access road will be approximately 25 feet wide, within a 50-foot right-of-way.

Per discussion with Running Foxes and the BLM-MFO, a 20-acre block centered on the proposed well pad centerstakes was surveyed for the project; this block also adequately covers the area of disturbance plus a 100 foot buffer as well as the proposed access road and will allow for slight project design changes made by Running Foxes, if necessary. The area of potential effects (APE) for the project is defined by the BLM-MFO as the entire 20-acre block; the APE for the proposed access road is a 100 foot-wide corridor centered on the proposed centerline.

11. Location(s) and Date(s) of Literature Review:

1. Field Office: N/A
2. Utah Division of State History/Preservation Pro: August 12, 2020
3. Historic Records and Maps: August 12, 2020
4. Satellite imagery: August 12, 2020

12. Results of Literature Review (½ mile buffer):

Project Number	Project Name	No. of Sites within the APE
U76AV0082	Archaeological Clearance Survey Report for Northwest Pipeline Corporation	0
U78CD0196	Cultural Resource Inventory of the Danish Flat-Windy Mesa Cultural Mitigation Study Area, East-Central Utah	0
U81GC0316	Archaeological Survey of Trinity Oil and Gas Pumpelly 30-2, Grand County, Utah	0
U00BL0003	East Cisco Minerals Materials Site	0
U00ST0332	Adesta Fiber Optic Line	0
U05SC1384	An Intensive Cultural Resource Survey and Inventory of Seven Well Pads and Access Corridors in the Greater Cisco 011 and Gas Field	0
U06MQ0583	CRI of Cisco Expro, LLC's Danish Flat 2D Seismic Prospect, in Grand County, Utah	0
U06MQ0600	Cultural Resource Inventory of Running Foxes Petroleum's Proposed Federal Well locations; #30-2, #30-6, and #30-11 in Grand County, Utah	0
U06MQ1183	Cultural Resource Inventory of Running Foxes Petroleum's Broadhead CDM Trespass, Grand County, Utah	0
U07MQ0335	Cultural Resource Inventory of Running Foxes Petroleum's Section 29 Pipeline right-of-way (Township 20S, Range 24E, Section 29) Grand County Utah	0
U07MQ0336	Cultural Resource Inventory of Running Foxes Petroleum's Proposed Cisco Springs 4-S-2, 4-S-3, 4-12-3, 30-1-4, 30-8-4, 30-9-4, 30-12-3, and 30-1S-4 well locations Grand County, Utah	0
U07MQ0749	Archaeological Survey of Seismic Line 3 Reroute Township 20S, Range 24E, Sections 30 and 31. Addendum to: Cultural Resource Inventory of Cisco Expro, LLC's Danish Flat 20 Seismic Prospect, in Grand County, Utah.	0
U07MQ0908	Cultural Resource Inventory of Running Foxes Petroleum's 2D Cisco Seismic Grand County, Utah	0
U07MQ1428	Cultural Resource Inventory of Running Foxes Petroleum's Proposed Cisco Springs Project Northern Pipeline, Grand County, Utah	0
U08MQ0683	Cultural Resource Inventory of Running Foxes Petroleum's 3D Seismic, Grand County, Utah	0
U15HX0438	An Archaeological Inventory for the 1-70; Fiber Optic from Cisco to the State Line Project	0

Summary and Expectations:

Prior to fieldwork, Metcalf performed a files search through the Utah Division of State History (UDSH) and the UDSH online SEGO database of the project area plus a half-mile buffer and included previously recorded cultural resources and previous cultural resource inventories.

The files search shows 16 previous inventories within the files searched area, two of which intersect the current project area. The intersecting projects include U78CD0196 conducted in 1978 and U06MQ1183 conducted in 2006; neither project resulted in any resources being recorded in the project area. A majority of the projects are related to oil and gas exploration and extraction in the Cisco Desert. Other projects include a cultural mitigation study, a leasing plan project, and a utility line project.

The files search shows no previously recorded sites within the searched area.

Additionally, historic General Land Office (GLO) plats for Township 20 South, Ranges 23 East and 24 East and Township 21 South, Range 23 East and historic 7.5' USGS quadrangle maps were inspected for historic cultural resources. Although there are no maps available for the earliest Euro-American use of the area, the Grand Valley east of Green River was the travel corridor for the North Branch of the Old Spanish Trail, in use from the early to mid 1800s; the North Branch joined the Main Route at present day Green River. The Denver and Rio Grande narrow gauge railroad was completed in 1883 and passes through the general area. GLO plats indicate numerous ranches and roads were located in the area by the early 1900s, especially in areas around springs or washes. Use of the area during this period likely focused on grazing of domestic livestock, and the remains of structures, fences, corrals, and animal pens are found throughout the area. USGS topographic maps from the mid-1900s show numerous well pads and related infrastructure in the area indicating a shift in focus to natural resource exploration and extraction.

More specifically, although there is historic development of the general area, the maps indicate no potential historic resources in the project area.

Based on the files search and archival map research, Metcalf expected a limited number of cultural resources in the area, if any. Prehistoric site types were expected to be limited lithic scatters or temporary camps. Historic site types would likely be related to the early 20th century ranching in the area and include trash scatters, temporary camps, homesteads, ranchsteads, and other features related to ranching and herding (corrals, fences, etc.).

Township/Range	Map Date/Name/Type	Findings
T20S, R24E	1913 dependent survey GLO plat	Nothing in or surrounding the project area
T20S, R23E; T20S, R24E; T21S, R23E	1885 East Tavaputs 1:125,000 USGS topographic map	Nothing in project area; Denver and Rio Grande Western Railroad plotted to the south and east of the area
T20S, R23E; T20S, R24E; T21S, R23E	1956 Grand Junction 1:125,000 USGS topographic map	Unnamed road in the vicinity of the project area (likely Cisco Springs Road); 'Old RR Grade'; Highway 6/50 immediately south and east of the area
T20S, R23E; T20S, R24E; T21S, R23E	1970 Danish Flat 1:24,000 USGS topographic map	Nothing in project area; 'Old Railroad Grade'; a few unnamed unimproved dirt roads; numerous gas wells and drill holes; 'Borrow Pit'

13. Description of Field Methods:

The project area was inventoried using standard pedestrian transects spaced no more than 15 meters apart across the inventory area. In-field navigation of the inventory area was via GIS data on a handheld Trimble GeoXT 6000 GPS unit with real-time WAAS correction of approximately 2-5 meters and post-processed correction to sub-meter. Careful attention was given to areas of high surface exposure, such as anthills, rodent back-dirt piles, and animal trails; and areas of subsurface exposure, such as drainage cuts and two-track road cuts. Additionally, representative photographs of the project area were taken and recorded on a photograph log noting the view and direction.

For this project, Metcalf followed Utah SHPO compliance guidance and Bureau of Land Management guidelines to define sites and isolates.

Sites are defined as:

- At least ten artifacts of a single class within a 10-meter diameter area, except when all pieces appear to originate from a single source, and/or;
- At least 15 artifacts, which include at least two classes of artifacts within a 10-meter area, and/or;
- One or more archaeological features in temporal association with any number of artifacts, and/or;
- Two or more temporally associated archaeological features without artifacts.

Isolates are defined as:

- Resources which do not meet site criteria. These resources are minimally recorded in tabular format but are not evaluated as cultural properties or formally recorded unless they are diagnostic.
- Isolated finds consisting entirely of lithic debitage, ceramics, bottles, or cans are recorded if professional judgment warrants.

Additionally, the Utah Professional Archaeological Council (UPAC) guidelines for historic linear resources (UPAC 2008) were utilized for recording and assessing linear resources.

14. Area Surveyed: 20 acres

Land Owner		BLM	Other Federal	State	Private	TOTAL
Acreage	Class III:	20	0	0	0	20
	Class II:	0	0	0	0	
TOTAL		20	0	0	0	20

15. Sites Recorded:

Land Owner		BLM		Other Federal		State		Private		TOTAL
		#	Site Number	#	Site Number	#	Site Number	#	Site Number	
Revisits (updated forms)	Eligible:	0		0		0		0		0
	Not Eligible:	0		0		0		0		0
Revisits (not updated)	Eligible:	0		0		0		0		0
	Not Eligible:	0		0		0		0		0
Newly Recorded	Eligible:	0		0		0		0		0
	Not Eligible:	0		0		0		0		0
TOTAL		0		0		0		0		0

16. Individual Site Descriptions and Determinations of Eligibility and Effect

No sites discovered.

17. Isolated Finds:

No isolated finds discovered.

18. Summary of Findings:

Inventory did not result in the discovery of any cultural resources.

19. Collection Yes No X

(If Yes) Curation Facility:

Accession Number(s):

20. Conclusion/Recommendation of Effect:

Metcalf has completed a Class III cultural resource inventory for the Running Foxes proposed STARFOX 31-1A well pad and access road in Grand County, Utah on lands administered by the BLM-MFO. Inventory covered 20 acres and did not result in the discovery of any cultural resources. Metcalf recommends a finding of *no historic properties affected* for the proposed STARFOX 31-1A well pad and access road. No further work is recommended for the current project.

*Include the appropriate amount of 1:24,000 scale topographic maps, which clearly identify the Area of Potential Effect, area of Class II or III survey area, sites, and isolated finds.

**Include at least one landscape photograph of the area surveyed.

8100-3 Form

Project Photos



Figure 1. Project overview from near northeast corner of project area, view southwest.
(Roll 20-232, image 17, by Aaron Whittenburg, 09/01/2020)



Figure 2. Project overview from center stake, view north.
(Roll 20-232, image 18, by Aaron Whittenburg, 09/01/2020)