



ULP 000463



Department of Energy
Office of Legacy Management

November 30, 2009

OLM-SRS-2009-171

Mr. James Baughman, Chairman and CEO
U.S. Uranium Corporation
2186 South Holly Street, Suite 104
Denver, CO 80222

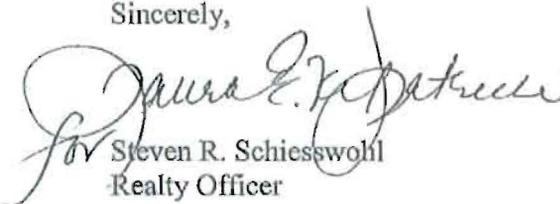
Subject: Credit for Reclamation Performed in Lieu of Royalties

Dear Mr. Baughman:

The U.S. Department of Energy (DOE) and its contractor have monitored the reclamation work scope performed by U.S. Uranium Corporation (USUC), in lieu of annual royalty payments for the 2009–2010 lease year, and have concluded that the work was completed in a satisfactory manner. In accordance with DOE's letter dated June 15, 2009, USUC is hereby credited with annual royalty payments in the aggregate amount of \$15,240 to be distributed and credited to USUC's two lease tracts as indicated: C-SR-12 (\$4,566.50); and C-LP-23 (\$10,673.50). DOE greatly appreciates USUC's efforts in addressing these issues and we trust that this arrangement was beneficial for both parties.

If you have questions concerning this matter, please contact me at (720) 377-9683.

Sincerely,


Steven R. Schiesswoll
Realty Officer

cc: Project File (E. Cotter)

2597 B 3/4 Road, Grand Junction, CO 81503	<input type="checkbox"/>	3600 Collins Ferry Road, Morgantown, WV 26505
1000 Independence Ave., S.W., Washington, DC 20585	<input type="checkbox"/>	11025 Dover St., Suite 1000, Westminster, CO 80021
10995 Hamilton-Cleves Highway, Harrison, OH 45030	<input type="checkbox"/>	955 Mound Road, Miamisburg, OH 45342
232 Energy Way, N. Las Vegas, NV 89030	<input type="checkbox"/>	

REPLY TO: Westminster, CO Office

ULP 013.07(B)



Department of Energy
Office of Legacy Management

November 30, 2009

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REPLY TO: Westminster, CO Office		

ULP 029.07(B)

Contains Privileged Information

Do Not Release

May not be checked out or copied without approval from Ed Cotter or Marilyn Kastens

DOE Uranium Leasing Program

U.S. Uranium Corporation — Work Scope for Reclamation in-lieu-of Royalty

Background

During the fall of 2008, the U.S. Department of Energy Office of Legacy Management (DOE) redefined and realigned the boundaries of its uranium lease tracts to incorporate lands located inside its withdrawal boundaries that were valid claims at the time of the withdrawals but have since become invalid. As a result of those boundary redefinition/realignment activities, many of the current lease tracts now contain mining-related features that are associated with abandoned uranium mine sites located on those claims. By incorporating these lands into its lease tracts, DOE accepted the reclamation liability associated with those mining-related features.

Current Status

On January 6, 2009, DOE notified its leaseholders of the aforementioned mining-related features located on their respective lease tracts. Specifically, U.S. Uranium was notified of various features located on Lease Tracts **C-SR-12** and C-LP-23. In that letter and during subsequent discussions, Energy Fuels Resources was offered two options. The first option was to incorporate one or more of the specific features into its respective lease operations, thereby accepting the reclamation liability associated with those features incorporated. For those features that were not accepted under the first option, U.S. Uranium was given the option to fully reclaim the features in-lieu-of some portion of its annual royalty payments. That work scope is outlined below.

Work Scope

C-SR-12:

The abandoned mine sites located on the former Sarvis Nos. 2 and 3 claims needs to be addressed. The portals shall be permanently closed with large boulders and rocks and then backfilled with available mine-waste-rock materials. The mine-waste-rock dumps shall be recontoured to blend in with the natural topography of the area. The area shall then be covered with other available surface soil materials, pocked, and reseeded with an approved seed mixture (approximately 0.3 acres).

The subsided mine portal located on the former Jupiter claim needs to be addressed. This subsidence shall be dug out and then refilled with available surface soil materials and reseeded with an approved seed mixture (less than 0.1 acres).

An open drill hole located on the west end of the former Sarvis No. 6 claim shall be permanently closed with polyurethane foam plugs and then covered with surface soil materials and reseeded with an approved seed mixture.

C-LP-23

The subsided mine portal located on the former LP-23 mine (Tract 1) needs to be addressed. This subsidence shall be dug out and then refilled with available surface soil materials and reseeded with an approved seed mixture (less than 0.1 acres).

Two open vents located on or near the former Lexington claim (Tract 3) need to be addressed. The metal casings shall be terminated below grade and then the vents shaft shall be permanently closed with polyurethane foam plugs and then covered with surface soil materials and reseeded with an approved seed mixture.

Note: This work shall be performed to the satisfaction of the DOE Realty Officer and/or his LMS Contractor representatives from S.M. Stoller Corporation, who shall provide project oversight of the reclamation field activities.

Site Specific Storm Water Management Plan

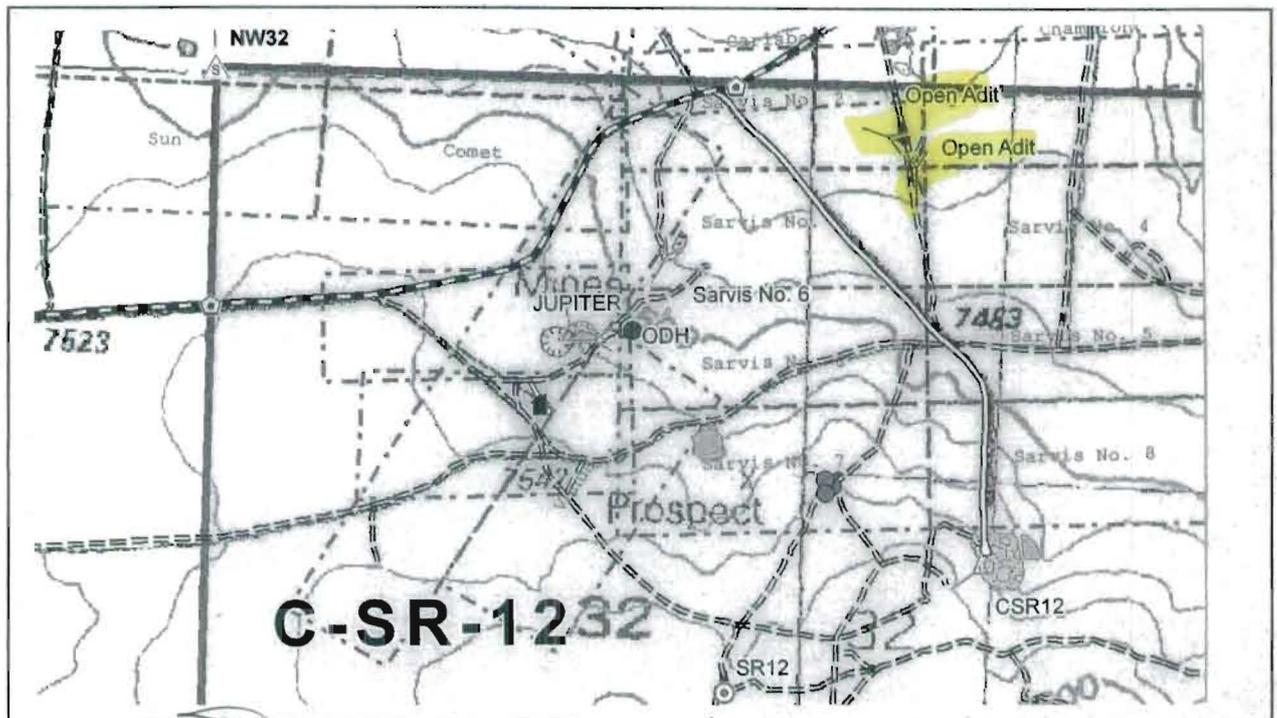
Lease Tract#: C-SR-12 Site: Sarvis 2 & 3 Work Area: Spud Patch (Egnar)
Work Scope: Backfill 2 portals and reclaim sites

Construction activities will be managed to minimize the volume of storm water entering the disturbed portion of the work area, contain and control the volume of storm water which falls within that area, and minimize the potential for the migration of soil/sediments.

The following engineering control measures have been selected as being applicable to the specific work area disturbance:

- Option #1:** Storm diversion will be accomplished by the installation of ditches, berms, or contouring to minimize the potential for erosion of the portion of the work area.
- Option #2:** Storm water containment/control will be accomplished within the disturbed portion of the work area by construction of catchment basins, including "pocking" of the recontoured materials.
- Option #3:** Migration of soil/sediments will be minimized by the installation of silt fences/barricades utilizing fabric or straw bales.
- Option #4:** Soil stabilization will be accomplished by seeding the disturbed portion of the work area to establish a viable, diverse stand of grasses, shrubs and forbs.
- Option #5:** No action required.

Site Sketch:



Signature: _____

Date: 5/26/09

Site Specific Storm Water Management Plan

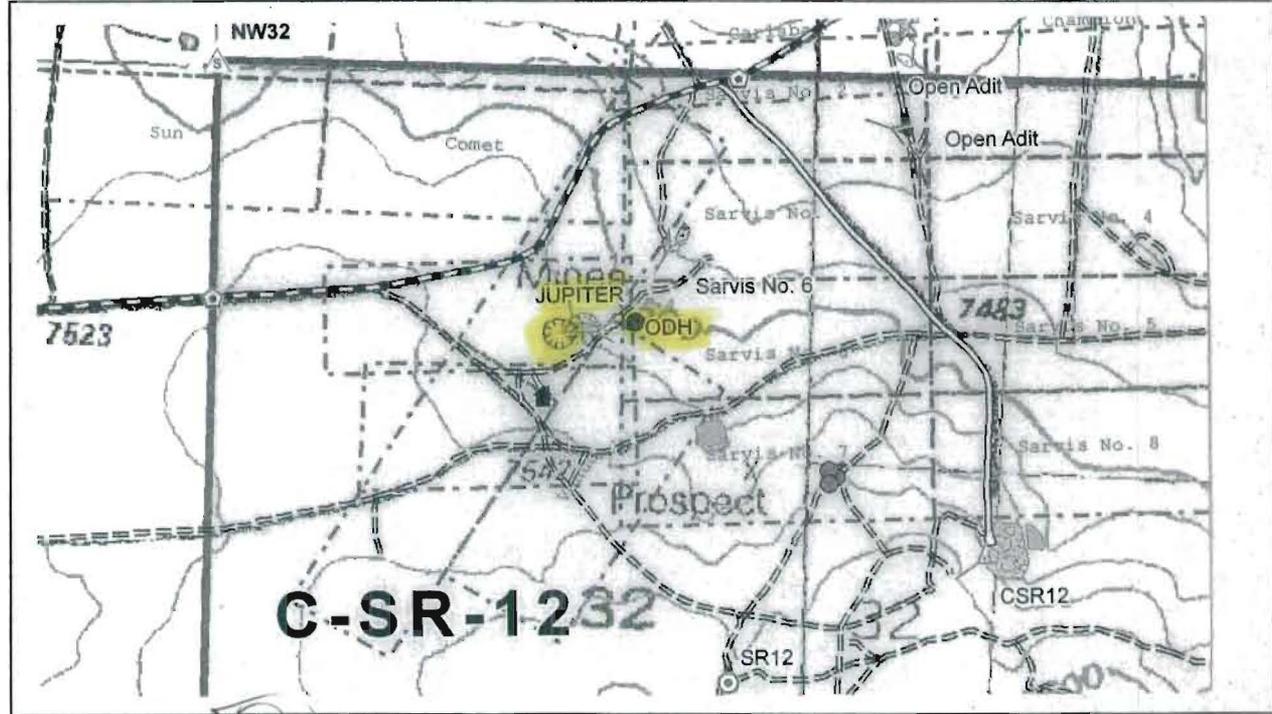
Lease Tract#: C-SR-12 Site: Jupiter Claim Work Area: Spud Patch
Work Scope: fill Subsided Portal / Close open drill Hole

Construction activities will be managed to minimize the volume of storm water entering the disturbed portion of the work area, contain and control the volume of storm water which falls within that area, and minimize the potential for the migration of soil/sediments.

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- Option #5:** No action required.

Site Sketch:



Signature: [Handwritten Signature] Date: 5/20/09

**U.S. Department of Energy
Office of Legacy Management
National Environmental Policy Act – Environmental Checklist**

Project/Activity Title Reclamation Projects on Slick Rock Lease Tract C-SR-12	NEPA ID Number LM 15-09	Date July 28, 2009
LM Site Name Uranium Leasing Program, CO	LM Site Program Reuse and Property Management	
Contractor NEPA Coordinator Sandra Beranich	Signature <i>Sandra Beranich</i> 7-28-09	
Contractor Task Manager Ed Cotter	Signature <i>Ed Cotter</i> 7/28/09	
DOE Project Manager Steven Schiesswohl	Signature <i>Steve Schiesswohl</i> 2009.07.29 11:52:47 -06'00'	

A. Brief Project/Activity Description:

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) proposes to reclaim abandoned mine sites, a subsided portal, and one open drill hole on DOE Lease Tract C-SR-12. Independent contractors associated with the lessee would complete the work, and all projects would be completed within 2 days. C-SR-12 is an approximate 641-acre isolated lease tract in San Miguel County in an area locally known as the Spud Patch Camp, south of Slick Rock and east of State Highway 141.

Reclamation of Sarvis No. 2 and No. 3 mines would include closing several portals with boulders and rocks, backfilling with available mine-waste rock, grading the disturbed area to match the topography, and seeding. Several present mine-waste-rock dumps would also be graded. The disturbed area would be covered with other available soil materials, pocked, and reseeded. The total disturbed area would cover approximately 0.3 acre.

A subsided mine portal on the former Jupiter claim would be dug out, refilled with available soil materials, and reseeded. This action would disturb less than 0.1 acre.

The open drill hole would be closed with a polyurethane foam plug, covered with native soil materials, and seeded.

B. Environmental Concerns:

If the proposed action could affect human health and the environment, the "yes" column is checked, and an explanation of the degree, type, and magnitude of the physical, chemical, and radiological sources of impacts is given below. Additional description or explanation is provided on attached sheets as necessary.

Element	Yes	No	Element	Yes	No
Air emissions/air quality	X		Exposure/impacts to public or workers		X
Noise	X		Need for public awareness/involvement		X
Solid waste generation		X	Transportation/traffic control required		X
Mixed waste management		X	Access to/use of DOE property		X
Chemical storage on site		X	Visual resources impacted		X
Pesticide/herbicide use		X	Cultural/arch resources present		X
Toxic substances management		X	Wetland/floodplain impacted		X

Element	Yes	No	Element	Yes	No
Regulated quantities of petroleum used or stored on site		X	Protected species present: Federal, State, or Tribe listed	X	
Radioactive materials/soils		X	Migratory birds breeding or nesting	X	
Surface (ground) disturbance	X		Wild/scenic rivers impacted		X
Surface water use/ contamination		X	Prime/unique farmlands present		X
Surface water quality		X	Groundwater use/contaminaton		X
Groundwater quality affected		X	Other Considerations?		X

C. Explanation and qualification of all "yes" responses:

Air emissions/air quality: Use of heavy equipment would result in minor and temporary amounts of fugitive dust being present during the duration of the proposed actions.

Noise: Noise levels would be temporarily elevated during use of the heavy equipment.

Surface (ground) disturbance: Reclaiming the abandoned mines and associated features would result in minor surface disturbance. The long-term affect would be to remove health and safety concerns and to improve habitat conditions.

Protected species present: State sensitive bat species may be present in abandoned mines. Before mine openings are closed, tarps would be placed over the portals to exclude bats from the mines. The State of Colorado Division of Wildlife accepts this practice.

Migratory birds breeding or nesting: The work is scheduled to avoid breeding and nesting periods and is not anticipated to affect migratory birds.

D. Recommendation:

The proposed action to complete various reclamation activities related to past mining activities would be considered categorically excluded from further environmental evaluation under Title 10 *Code of Federal Regulations* Part 1021, Appendix B to Subpart D, B1.3(k), "Erosion control and soil stabilization measures (such as reseeding and revegetation)."

Meets Criteria

Does Not Meet Criteria

Unsure

E. NEPA Determination

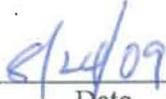
I have reviewed the scope of actions proposed under Section A of this Environmental Checklist, and the information relevant to the potential for environmental impacts in Section B, and determined the following:

The proposed actions meet the criteria for categorical exclusion.

The proposed actions do not meet the criteria for categorical exclusion; therefore, I recommend that the LM NEPA Planning Board be convened based on my recommendation (see attached rationale) to complete:

- () an Interim Action () an Environmental Assessment
- () an Environmental Impact Statement () a Supplemental Analysis


LM NEPA Compliance Officer


Date

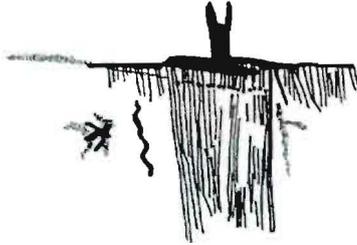
Distribution upon signature:

R. Bush, LM NEPA Compliance officer
S. Schiesswohl, DOE Project Manager
S. Beranich, Stoller NEPA Coordinator (e)
E. Cotter, Stoller Task Manager (e)
S. Osborn, Stoller Compliance Manager (e)
rc-grand.junction

NEPA Number

RECEIVED

AUG 27 2009

**CONFIDENTIAL**Casefile
Number SJ09040

CULTURAL RESOURCE ACTION MEMORANDUM
(CASEFILE DOCUMENT)

PROJECT NAME: Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 1, Slick Rock Area, San Miguel County (SJ09040).

INVENTORY DATE: August 19, 2009

CULTURAL CONTRACTOR: Alpine Archaeological Consultants, Inc.

LEGAL DESCRIPTION OF INVENTORY: T43-44N R18-19W

CULTURAL VALUES FOUND AND THEIR SIGNIFICANCE (National Register eligibility):

Not Eligible: 5SM1945, 5SM3692, 5SM6556-6570

IF: 5SM6571-6575

TRADITIONAL CULTURAL PROPERTIES, SACRED SITES, OR TRADITIONAL USE AREAS

IDENTIFIED: none known

ADDITIONAL WORK NEEDED:

FORMAL NATIVE AMERICAN CONSULTATION PURSUANT TO THE 1978 NATIVE AMERICAN

RELIGIOUS FREEDOM ACT:

NEEDED? YES: NO: X

WHY?

WITH WHOM? N/A

DATE CONSULTATIONS SENT OUT: Quarterly SOPA (30 day waiting period)

CONDITIONS OF APPROVAL TO PROTECT CULTURAL VALUES:

1. If subsurface cultural resources are unearthed during operations, activity in the vicinity of the cultural resource will cease and a BLM representative notified immediately. Pursuant to 43 CFR 10.4 the holder of this authorization must notify the authorized officer, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony. Further, the operator must stop activities in the vicinity of the discovery and protect it for 30 days or until notified to proceed by the authorized officer.
2. The operator is responsible for informing all persons associated with this project that they will be subject to prosecution for knowingly disturbing Native American Indian shrines, historic and prehistoric archaeology sites, or for collecting artifacts of any kind, including historic items and/or arrowheads and pottery fragments from Federal lands

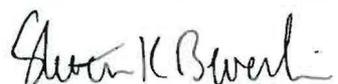
8/19/2009

Date


 Reviewing Archaeologist

8/19/09

Date


 Field Office Manager

CONFIDENTIAL

CONFIDENTIAL

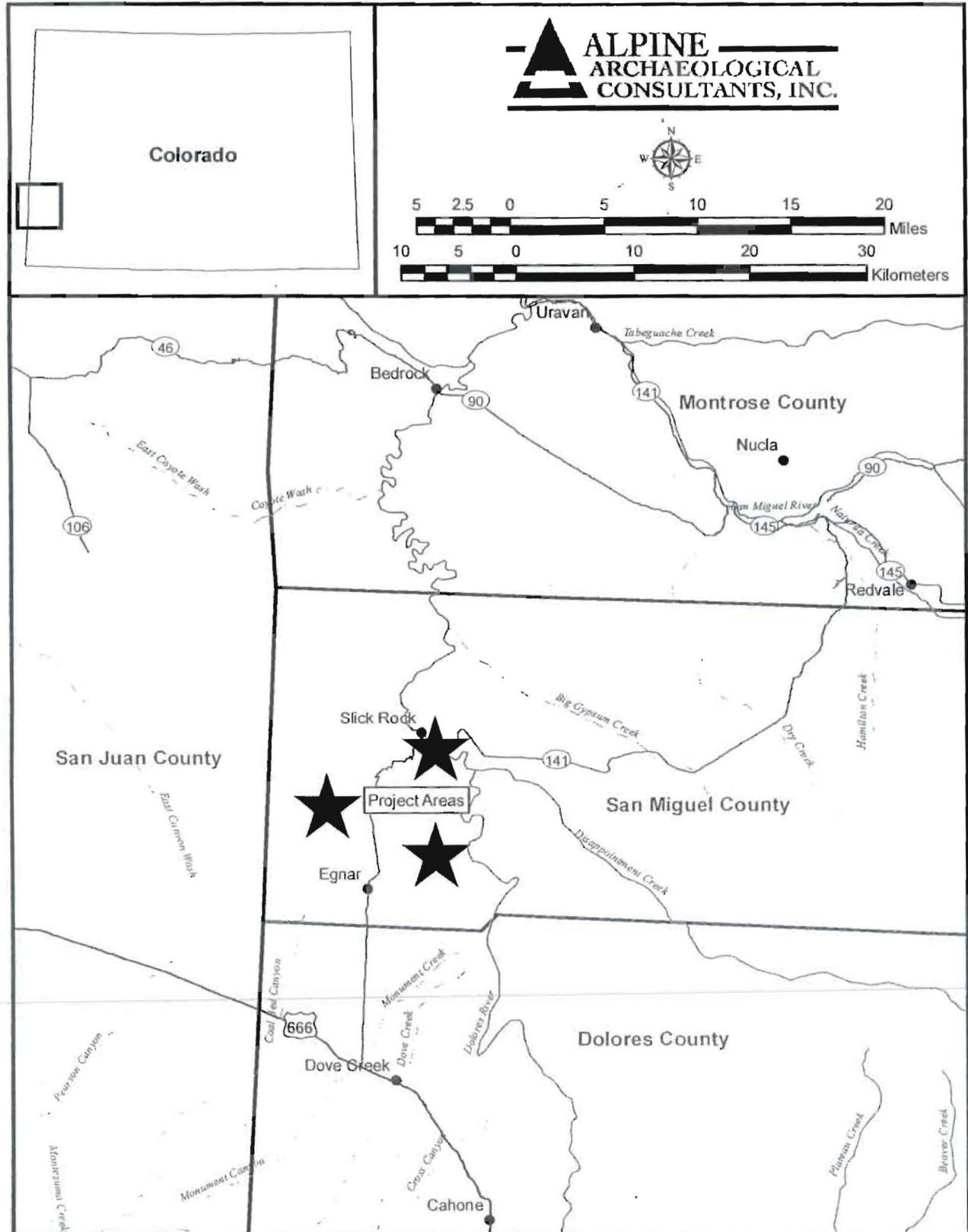


Figure 1. General location of Phase 1 project areas.

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18)

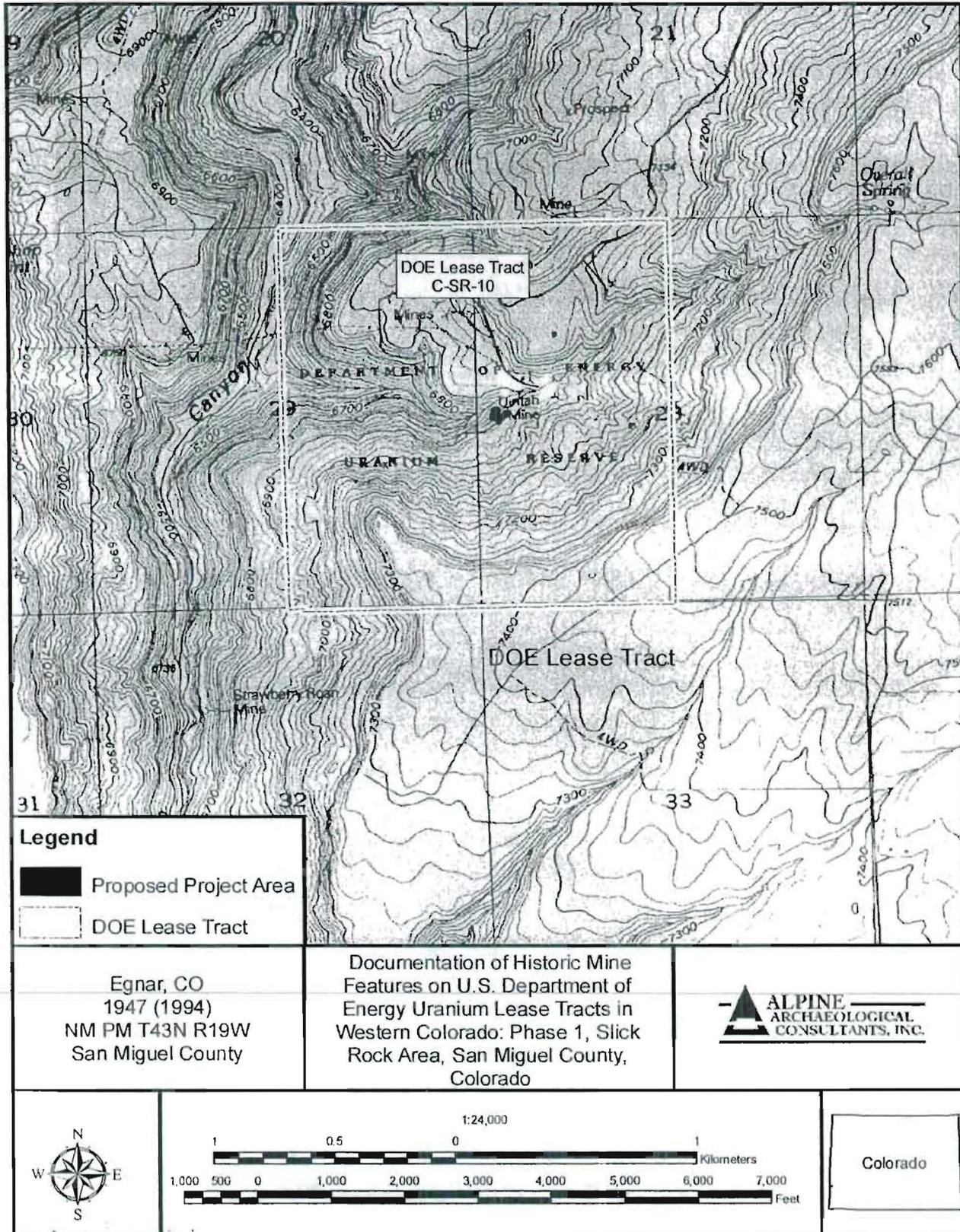


Figure 2. Location of Phase 1 project area.

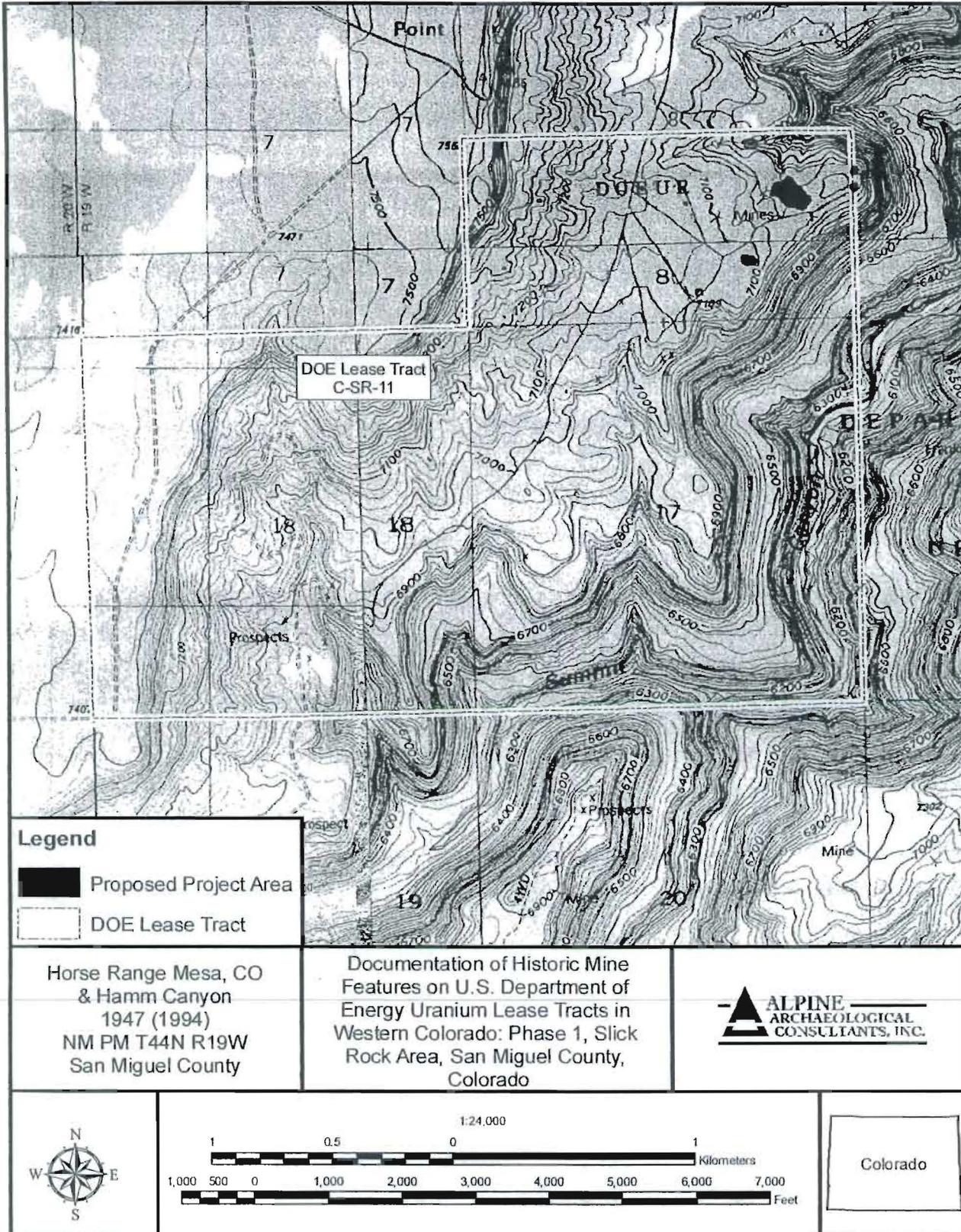


Figure 3. Location of Phase 1 project area.

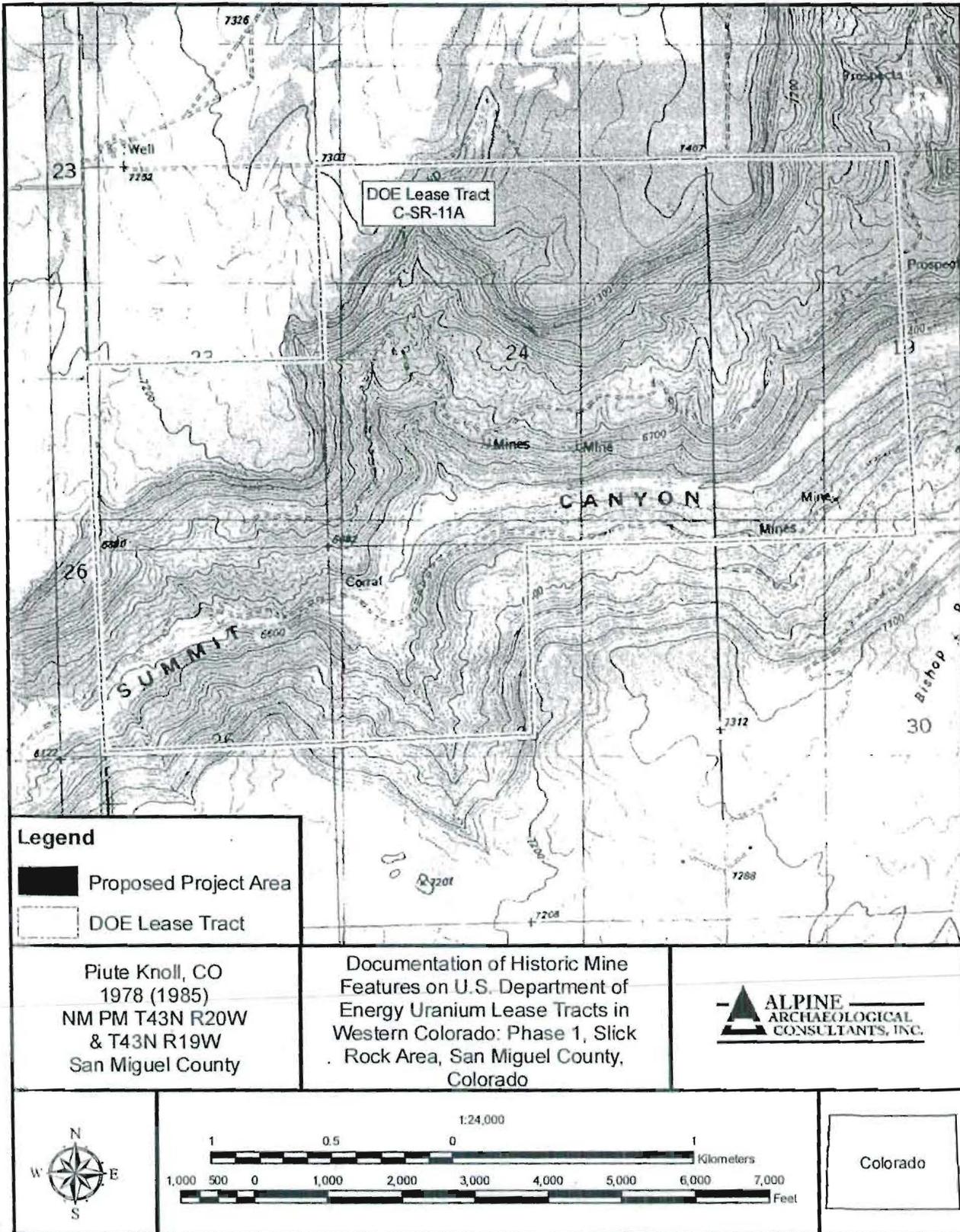


Figure 4. Location of Phase I project area.

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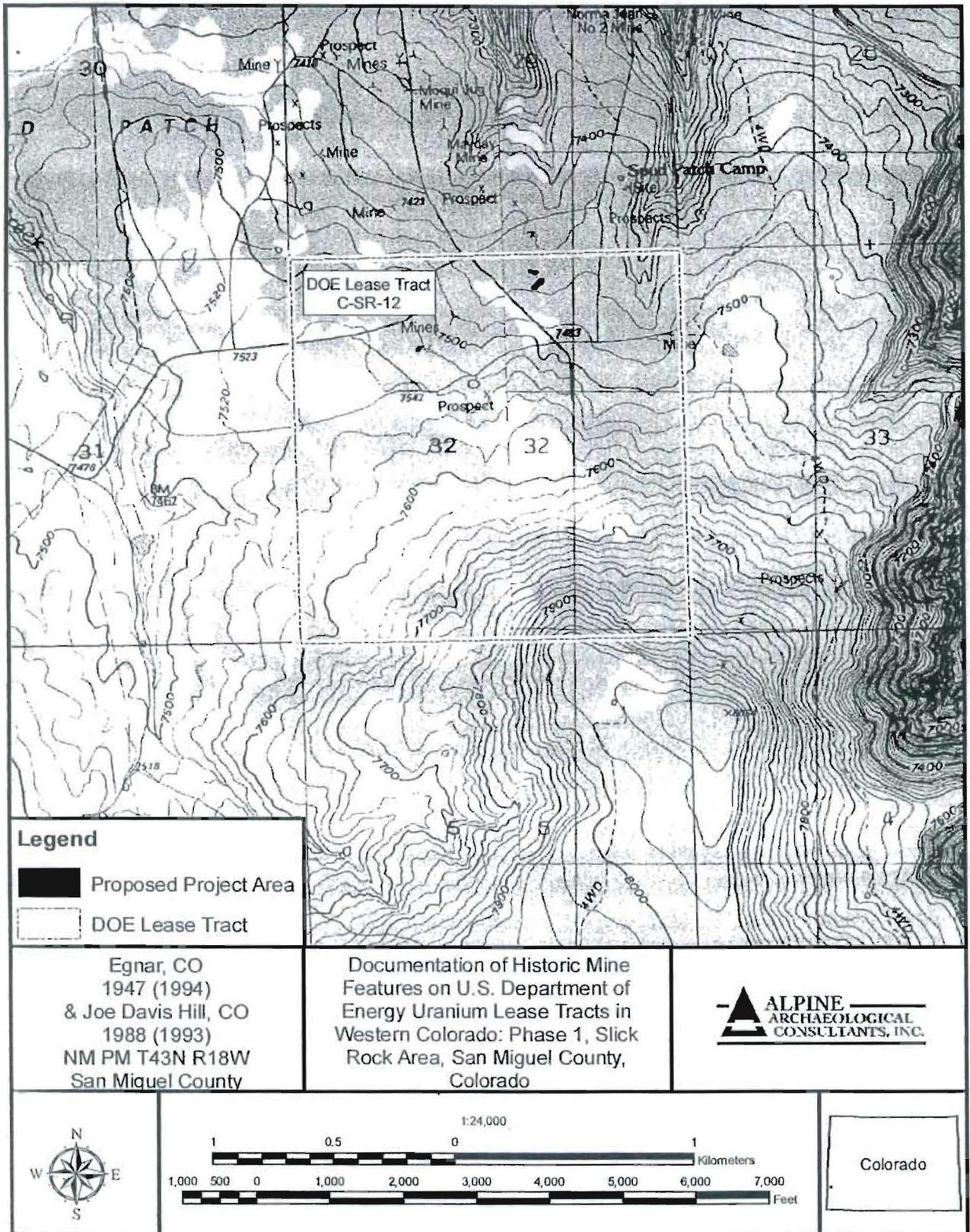


Figure 5. Location of Phase 1 project area.

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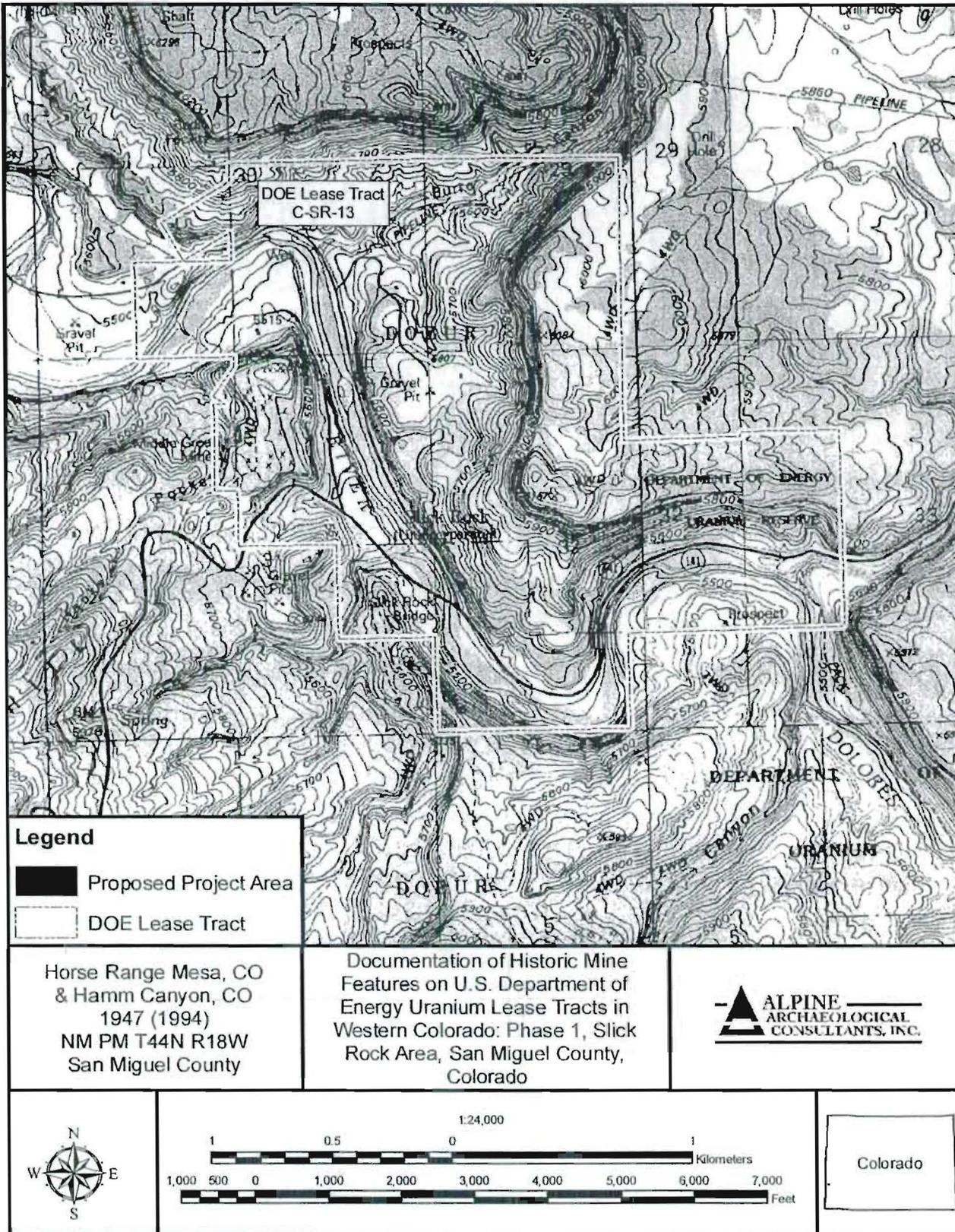


Figure 6. Location of Phase 1 project area.

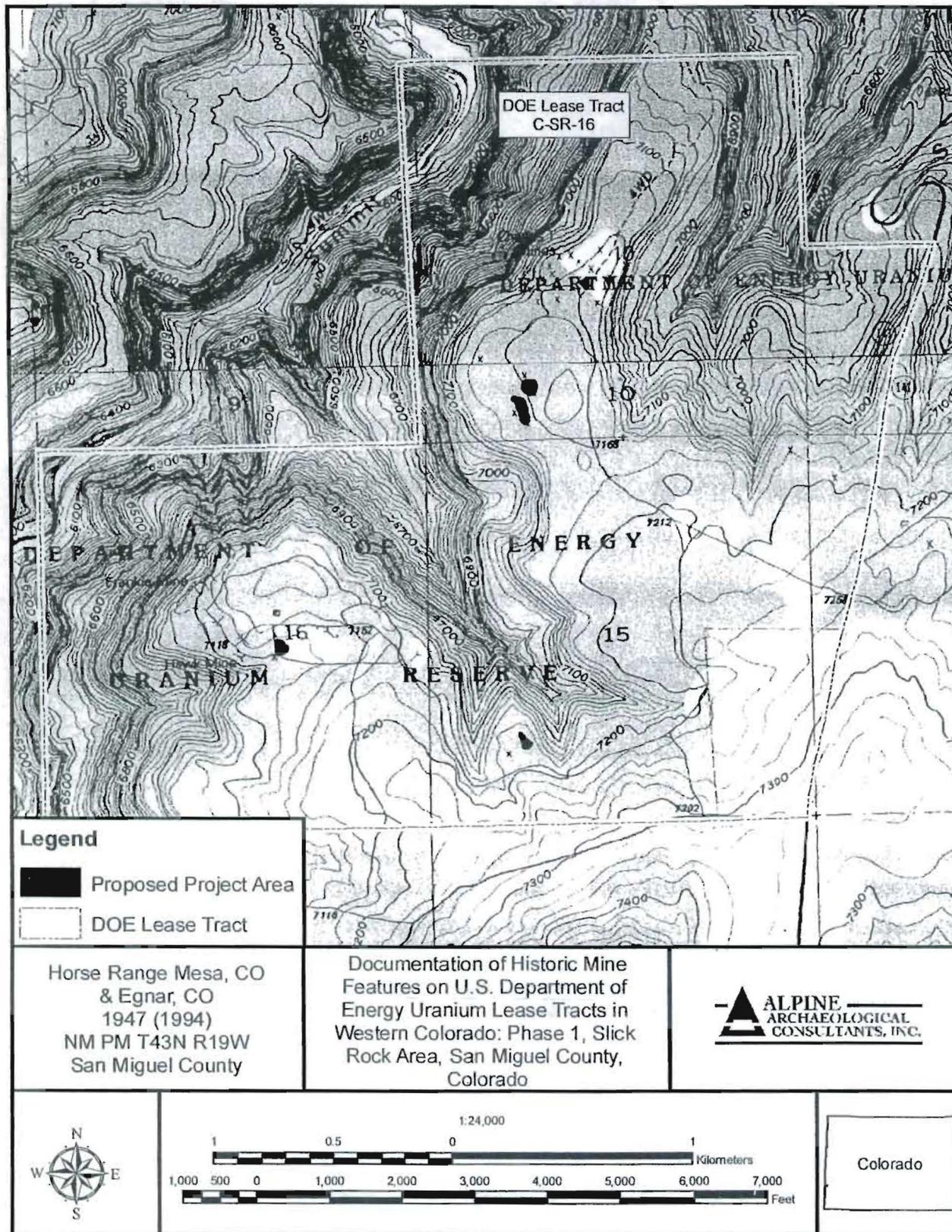


Figure 7. Location of Phase 1 project area.

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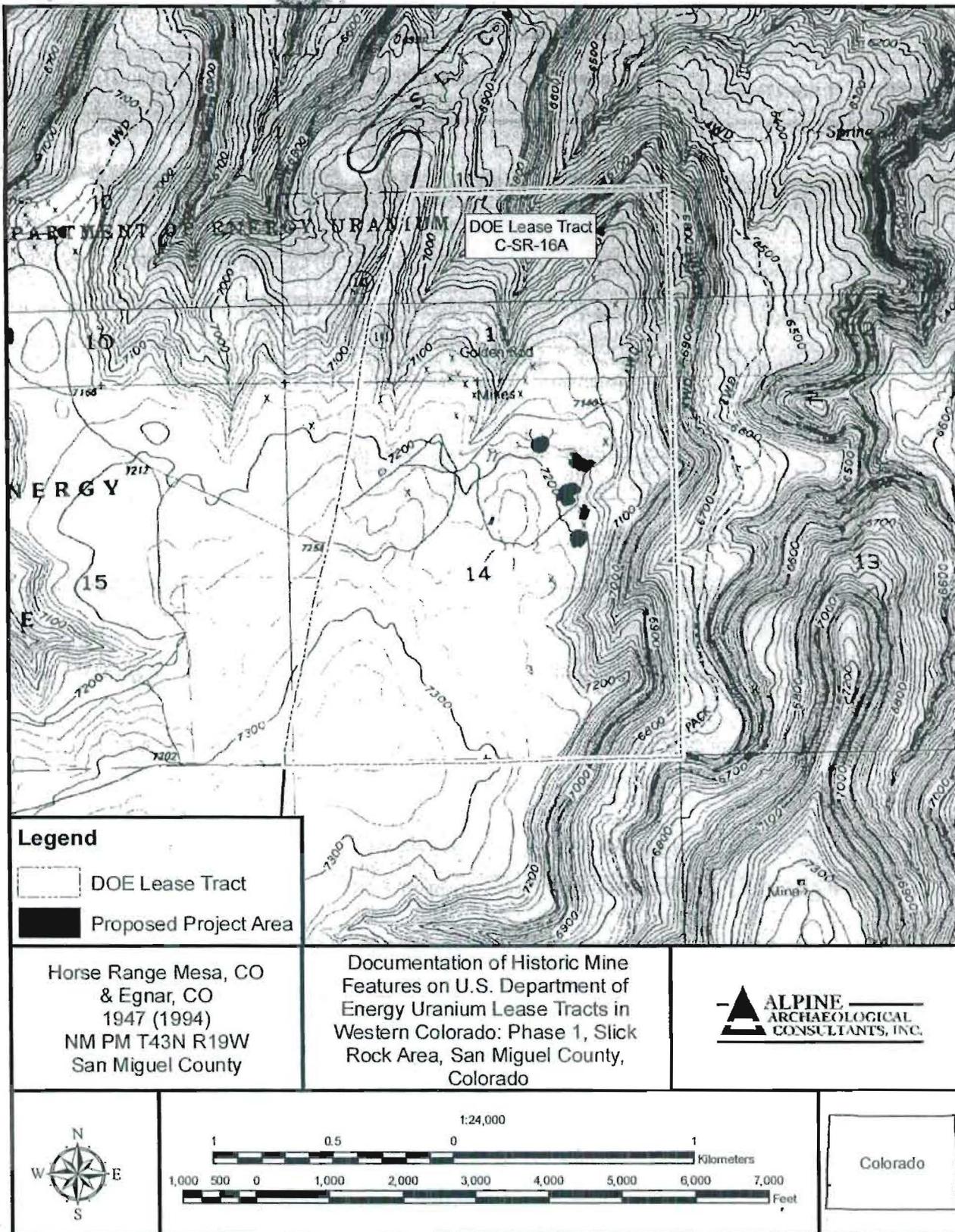


Figure 8. Location of Phase 1 project area.

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Table 1. Locations of Phase 1 Project Work.

Lease Tract No.	Project Area	Claim Name	Proposed Activities	Legal Location (New Mexico PM)	Acres	Recorded Cultural Resources
00R 10	1	Uintah	Closure of six adits, recontouring of waste-rock dumps	T 43N, R 19W, Section 28, SW, NW	1.12	5SM6556
	2	Vinegaroon	Closure of one adit, recontouring of waste-rock dump	T 43N, R 19W, Section 29, NW, SE	0.04	5SM6557
	3	Ortmeyer	Backfilling of subsidence	T 43N, R 19W, Section 29, NE, NE	0.05	5SM6571
	4	Otero	Backfilling of subsided shaft	T 43N, R 19W, Section 28, SW, NW	0.13	5SM6558
00R 11	5	Blackbird and Radium No. 8	Backfilling of several large surface pits, trenches, and adits, recontouring of waste-rock dumps	T 43N, R 19W, Section 8, NE, SE	3.80	5SM6559
	6	Radium No. 8	Closure of two adits	T 43N, R 19W, Section 9, NW, SW	0.59	5SM6560
	7	San Miguel	Closure of subsidence	T 43N, R 19W, Section 8, NW, SE	0.29	5SM6561
	20	Ike No. 1	Closure of subsidence	T 43N, R 19W, Section 8, SW, SE	0.70	5SM6572
00R 11A	8	Lucky Strike	Closure of adit, dismantling of ore chute, recontouring of waste-rock dump	T 43N, R 19W, Section 19, SE, SW	0.08	5SM6562
00R 12	9	Sarvis Nos. 2 and 3	Closure of two adits, recontouring of waste-rock dumps	T 43N, R 18W, Section 32, NW, NE	0.64	5SM6563; 5SM6564
	10	Jupiter	Closure of subsided mine portal	T 43N, R 18W, Section 32, NE, NW	0.17	5SM6573
00R 13	11	Slick Rock Mill Site	Backfilling of subsidence	T 44N, R 18W, Section 30, SW, SE	0.10	5SM1945
	12	Ellison	Backfilling of subsidence	T 44N, R 18W, Section 31, NE, NE	0.29	5SM6574
00R 16	13	Charles T and Charles T Southwest	Backfilling of subsidences	T 43N, R 19W, Section 10, SW	3.09	5SM6565; 5SM6566
	14	I.V.	Backfilling of several small surface pits and trenches	T 43N, R 19W, Section 15, SW	0.72	5SM6567
	15	Hawk	Backfilling of subsidence	T 43N, R 19W, Section 16, SW, NE	0.84	5SM3692
	16	Old Ann	Backfilling of subsided shaft	T 43N, R 19W, Section 16, SW, NE	0.04	5SM6568
00R 16A	17	Golden Rod	Backfilling of subsidence	T 43N, R 19W, Section 14, NW, NE	1.17	
	18	Golden Rod No. 3	Backfilling of subsidence	T 43N, R 19W, Section 14, NW, NE	0.16	
	19	Golden Rod, Keystone, and Santa Maria	Backfilling of several surface pits and trenches	T 43N, R 19W, Section 14, NE	5.04	

CONFIDENTIAL

Meeting/Teleconference Record

Date: 8/24/09

To: Ed Cotter

From: Marilyn Kastens

Subject: Cultural Clearance for Conducting Mine Reclamation on Uranium Lease Tracts in San Miguel County

Persons Present/Contacted:

Name	Company/Agency	Telephone Number/Extension
Vince MacMillan BLM Archaeologist	BLM, Dolores Public Lands Office	970-882-6832
Marilyn Kastens Cultural Resource Coordinator	SM Stoller Corp.	X6781

Issue 1: Cultural Clearance for Abandoned Mine Land Reclamation—

DOE submitted the report, *Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 1, Slick Rock Area, San Miguel County, Colorado* to Vince MacMillan (BLM archaeologist) on July 22, 2009, requesting concurrence in DOE's determination of "No Effect" to historic properties. M. Kastens called V. MacMillan on 8/24/09 to get a verbal clearance, as DOE had not received a written concurrence. V. MacMillan stated that DOE was cleared to conduct the work and that BLM had made a determination of "No Adverse Effect." The determination of "No Adverse Effect" was made rather than "No Effect" because cultural sites that are *not* eligible to the NRHP would be adversely affected (When M. Kastens asked about Isolated Finds, V. MacMillan said that the determination would then be "No Effect" [he thought]). V. Macmillan pointed out that it would be best if DOE would avoid making a preliminary determination and not use the words "No Effect, No Adverse Effect, and Adverse Effect," because that determination is legally made by BLM or SHPO, not the agency proposing the action. V. MacMillan stated that Helen Mary Johnson (BLM Geologist) would be sending DOE the written concurrence and suggested that we call her if we have not yet received it.

Issue 2: Tribal Consultation on Uranium Lease Tracts—

M. Kastens asked how BLM conducted tribal consultations and if DOE would need to notify the tribes when cultural resources were involved in a proposed activity. V. MacMillan stated that BLM has an annual meeting and consultation with tribes, wherein they discuss upcoming proposed activities, and tribes provide input. This is considered adequate consultation for most activities, especially those that have No Adverse Effect. If an activity would have an unavoidable adverse effect on tribe-sensitive features, BLM would conduct a project-specific consultation with all 23 tribes.

Because BLM is responsible for cultural resource management on ULP lease tracts, DOE does not need to conduct separate tribal consultations; BLM will conduct this.

Follow Up Action Required:

M. Kastens needs to contact BLM archaeologists at the Montrose and Grand Junction offices to determine if their tribal consultation policies are similar to those of the Dolores Public Lands Office. If so, M. Kastens should revise the ULP Procedures Manual accordingly.

Affect Scope/Schedule or Budget: YES __ NO X

Explain:

CC: ULS Project File (Ed Cotter)



Department of Energy
Office of Legacy Management

July 22, 2009

OLM-SRS-2009-090

Mr. Vince MacMillan, Archaeologist
Dolores Public Lands Office
29211 Highway 184
Dolores, CO 81323

Subject: Request for Concurrence in DOE's Determination of No Effect to Historic Properties
on Uranium Lease Tracts, San Miguel County

Dear Mr. MacMillan:

The U.S. Department of Energy Office of Legacy Management (DOE) is proposing to reclaim and mitigate hazards at numerous abandoned mine sites on DOE's uranium lease tracts in San Miguel County. Whereas, DOE manages the mineral resources and mining operations on these lease tracts, the Bureau of Land Management manages the surface resources. The abandoned mine features, which include open portals, subsided vent shafts, and unreclaimed waste rock dumps, are located at 20 project sites on seven different lease tracts. The area of potential effect totals less than 20 acres. Table 1 in the enclosed reports, entitled *Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 1, Slick Rock Area, San Miguel County, Colorado*, lists the legal locations and acreages of the 20 project sites. Additionally, Appendix A of the report includes 1:24,000-scale maps showing cultural resource site locations. Proposed activities at each of the project sites are summarized in the "Results" section.

DOE has determined that none of the abandoned mine site features found within the potential area of effect are eligible for inclusion in the National Register of Historic Places. Please review the report, prepared by Alpine Archaeological Consultants, Inc., for DOE, and let us know if you concur in our determination of "No Effect" to historic properties.

If you have specific questions or comments, please contact my contractor staff, Ed Cotter, at (970) 248-6056 (Ed.Cotter@lm.doe.gov). If you have general questions about the uranium leasing program, please contact me at (720) 377-9683 (Steve.Schiesswohl@lm.doe.gov).

Mr. Vince MacMillan

-2-

Thank you for your review and consideration of the enclosed report.

Sincerely,



2009.07.22

14:36:44 -06'00'

Steven R. Schiesswohl
Realty Officer

Enclosures (2 copies)

cc w/o enclosures:

E. Cotter, Stoller (e)

M. Kastens, Stoller (e)

Project File (E. Cotter)

DOCUMENTATION OF HISTORIC MINE FEATURES ON
U.S. DEPARTMENT OF ENERGY
URANIUM LEASE TRACTS IN WESTERN COLORADO:
PHASE 1, SLICK ROCK AREA, SAN MIGUEL COUNTY, COLORADO

by

Summer Moore-McMillan
and
Jeremy Omvig

Alpine Archaeological Consultants, Inc.
P.O. Box 2075
Montrose, Colorado 81402
(970) 249-6761

Prepared for

S. M. Stoller Corporation
2597 B ¼ Road
Grand Junction, CO 81503
Contract GS-10F-00045, Purchase Order #0000004277

Under the provisions of
Colorado BLM Cultural Resource Use Permit No. C-46920

BLM Project Authorization No. SJ09040

July 2009



ALPINE ARCHAEOLOGICAL CONSULTANTS, INC.

Table 1. Locations of Phase 1 Project Work.

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C-SR-10	1	Uintah	Closure of six adits, recontouring of waste-rock dumps	T 43N, R 19W, Section 28, SW, NW	1.12	5SM6556
	2	Vinegaroon	Closure of one adit, recontouring of waste-rock dump	T 43N, R 19W, Section 29, NW, SE	0.04	5SM6557
	3	Ortmeyer	Backfilling of subsidence	T 43N, R 19W, Section 29, NE, NE	0.05	5SM6571
	4	Otero	Backfilling of subsided shaft	T 43N, R 19W, Section 28, SW, NW	0.13	5SM6558
C-SR-11	5	Blackbird and Radium No. 8	Backfilling of several large surface pits, trenches, and adits, recontouring of waste-rock dumps	T 43N, R 19W, Section 8, NE, SE	3.80	5SM6559
	6	Radium No. 8	Closure of two adits	T 43N, R 19W, Section 9, NW, SW	0.59	5SM6560
	7	San Miguel	Closure of subsidence	T 43N, R 19W, Section 8, NW, SE	0.29	5SM6561
	20	Ike No. 1	Closure of subsidence	T 43N, R 19W, Section 8, SW, SE	0.70	5SM6572
C-SR-11A	8	Lucky Strike	Closure of adit, dismantling of ore chute, recontouring of waste-rock dump	T 43N, R 19W, Section 19, SE, SW	0.08	5SM6562
C-SR-12	9	Sarvis Nos. 2 and 3	Closure of two adits, recontouring of waste-rock dumps	T 43N, R 18W, Section 32, NW, NE	0.64	5SM6563; 5SM6564
	10	Jupiter	Closure of subsided mine portal	T 43N, R 18W, Section 32, NE, NW	0.17	5SM6573
C-SR-13	11	Slick Rock Mill Site	Backfilling of subsidence	T 44N, R 18W, Section 30, SW, SE	0.10	5SM1945
	12	Ellison	Backfilling of subsidence	T 44N, R 18W, Section 31, NE, NE	0.29	5SM6574
C-SR-16	13	Charles T and Charles T Southwest	Backfilling of subsidences	T 43N, R 19W, Section 10, SW	3.09	5SM6565; 5SM6566
	14	I.V.	Backfilling of several small surface pits and trenches	T 43N, R 19W, Section 15, SW	0.72	5SM6567
	15	Hawk	Backfilling of subsidence	T 43N, R 19W, Section 16, SW, NE	0.84	5SM3692
	16	Old Ann	Backfilling of subsided shaft	T 43N, R 19W, Section 16, SW, NE	0.04	5SM6568
C-SR-16A	17	Golden Rod	Backfilling of subsidence	T 43N, R 19W, Section 14, NW, NE	1.17	
	18	Golden Rod No. 3	Backfilling of subsidence	T 43N, R 19W, Section 14, NW, NE	0.16	
	19	Golden Rod, Keystone, and Santa Maria	Backfilling of several surface pits and trenches	T 43N, R 19W, Section 14, NE	5.04	

Table 2. Previously Conducted Cultural Resource Inventories by Phase 1 Lease Tract.

Lease Tract No.	Reference	Document ID	Project Description	Area Surveyed (Acres)
C-SR-10	Arrington 1979	DRA-7931	Power line	6.6
	Matlock 1980	DRA-8043	Drill holes	10.4
	Stump 1997	SM.LM.R89	Stock ponds	0.2
C-SR-11	Ebel 1981	SMLM.NR12	Seismic lines	9.4
	Fuller 1996	SMLM.R56	Uranium lease tracts	52.3
	Simpson 2002a	SMLM.R94	Fire rehabilitation	2.2
	Simpson 2002b	SMLM.R100	Drill holes	1.3
	Brown 2004	SMLM.NR128	Drill holes	0.8
	Fuller 2005	SMLM.R177	Uranium lease tract	17.6
C-SR-11A	Scott 1976	SMLM.NR129	Power line	11.9
C-SR-12	Harden 1983	MC.FS.R92	Seismic lines	1.9
C-SR-13	Conner 1980	SMLM.R120	Mill site and pipeline	1.0
	Errickson and Ives 1983	MC.R.R43	Recreation area	22.6
	Hammack 1987	SM.E.R2	Mill tailings remediation	59.7
	Arrington 1987	SMLM.R10	Slick Rock pit	7.2
	Hammack 1990	SMLM.R33	Seismic lines	4.6
	Witkind 1991	SMLM.NR57	Placer mining	1.0
	Hammack and Hammack 1995	SMLM.R47	Uranium disposal site	4.0
	Hammack 1995	SMLM.R52	Waterline	9.5
	Brown 2002	SM.FS.NR24	Mine bat gates	0.1
Brown 2005	SMLM.NR134	Power line	0.1	
C-SR-16	Stump 1997	SMLM.R89	Stock ponds	1.0
C-SR-16A	Anonymous 1984	SMLM.R114	Fiber optic cable	12.3
	Sesler 1990	SMLM.R83	Seismic lines	3.2
	Stump 1997	SMLM.R89	Stock ponds	0.5

Table 3. Cultural Resources Within the Phase 1 Lease Tracts Eligible or Potentially Eligible for Inclusion on the National Register of Historic Places.

Lease Tract No.	Site No.	Site Type	NRHP Eligibility	Report Reference
C-SR-10	5SM2782	Prehistoric Camp	Officially Needs Data	Fuller and Dean 1996
C-SR-11	5SM1988	Historic Cabin	Officially Needs Data	Arrington 1988
	5SM2014	Prehistoric Rock Art	Officially Needs Data	Arrington 1988
C-SR-13	5SM633	Prehistoric Rockshelter and Historic Trail	Field Needs Data	None
	5SM2733	Historic Mining Camp	Officially Eligible	Hammock and Hammock 1995
	5SM3670	Historic Highway	Field Eligible	Dobson-Brown and Autabee 2002
C-SR-16	5SM3692	Historic Mine	Field Needs Data	Stump 1997
C-SR-16A	5SM3670	Historic Highway	Field Eligible	Dobson-Brown and Autabee 2002

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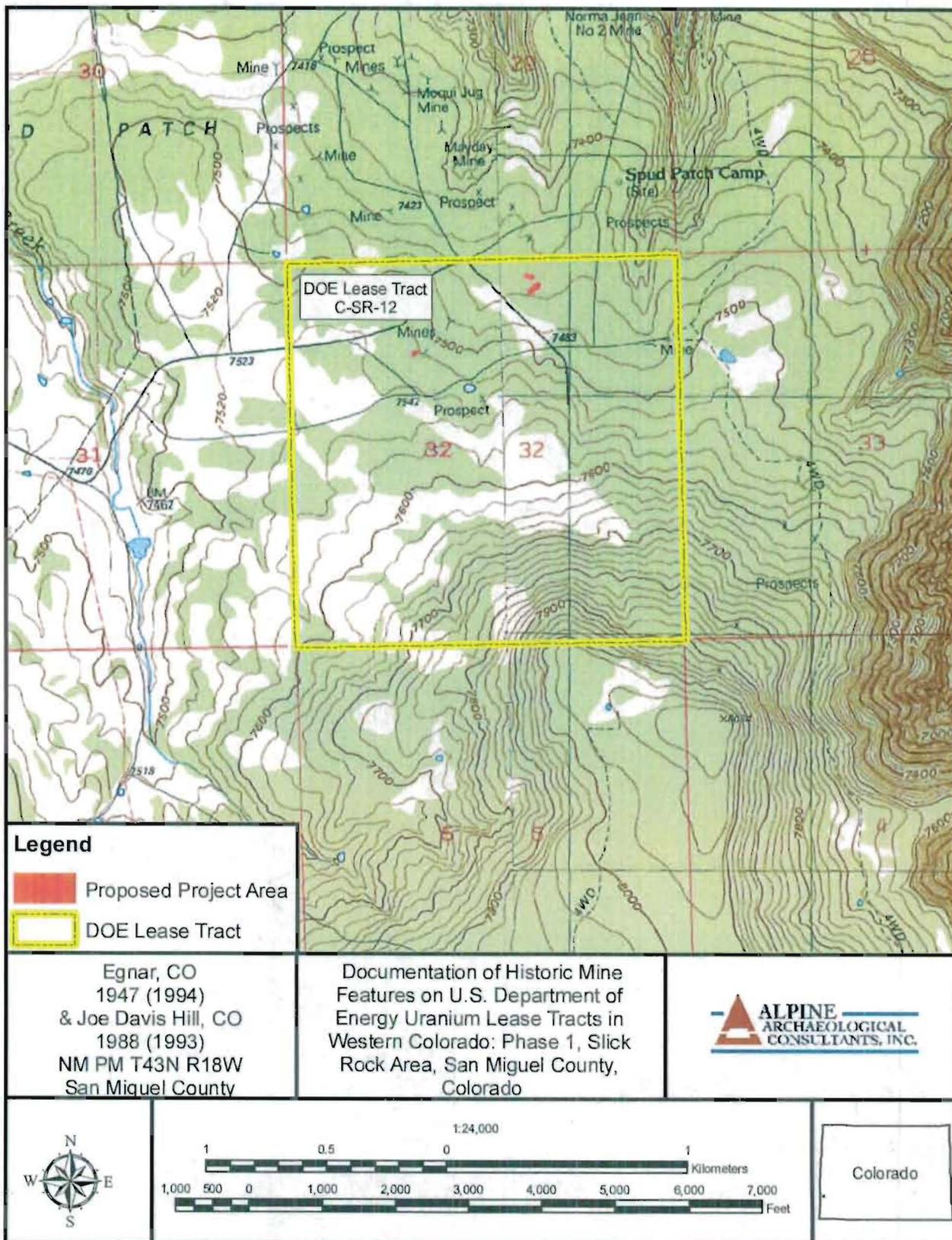


Figure 5. Location of Phase 1 project area.

chute beneath Adit 1, this structure is not particularly well constructed, unusual, or representative of a particular period of significance as defined by Twitty (2008). Overall, the integrity of the site is low in terms of Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity. The site's potential to yield information is considered exhausted by site recordation. Alpine recommends the site as not eligible for the NRHP.

Potential Project Impacts

The Lucky Strike Mine is proposed for reclamation. The portal (Adit 1) will be permanently closed with large boulders and rocks and then backfilled with available mine waste-rock materials. The ore chute will be dismantled and buried on-site. The mine waste-rock dump will be recontoured to blend in with the natural topography of the area. The area will then be covered with other available surface soil materials, pocked, and reseeded with an approved seed mixture.

Management Recommendations

Because Alpine recommends the Lucky Strike Mine as ineligible for the NRHP, no further archaeological or historical work is recommended.

Lease Tract C-SR-12

5SM6563 – The Sarvis No. 2 Mine

The Sarvis No. 2 Mine (5SM6563) is a 0.4-acre uranium mine site on a flat, upland area known as the "Spud Patch," between Bush Canyon and the Dolores River Canyon. The site is on the unpatented Sarvis No. 2 mining claim, on land administered by the BLM-DFO. The claim falls within the DOE Uranium Reserve, at an elevation of 7,460 ft. (2,274 m). Vegetation in the area consists of sparse pinyon and juniper forest in association with sagebrush, Gambel oak, serviceberry, and mountain mahogany. The site includes one adit, a waste-rock pile, a claim post, and an AEC standpipe (see Appendix B-8). Artifacts at the site include a few scattered pieces of deteriorated dimensional lumber and a sanitary can.

Adit 1 is a mine portal opening measuring 5 ft. tall by 5 ft. wide and oriented at a 270-degree angle. The portal opening lies at the western end of a 20-ft.-deep trench, which measures 60 ft. east-west and 30 ft. north-south and is surrounded by a waste-rock berm on all sides except the eastern end. The height of the berm above the ground surface is approximately 2 to 3 ft. No wooden support structure is present. The base of the trench, including much of the portal opening, has filled with standing water. An AEC standpipe lies adjacent to the berm on the southern side of the trench. Because the cap of the standpipe is missing, the number of the drill hole could not be recorded. On the northern side of the trench is a claim corner marker consisting of a 3 by 4-in. beam propped up in a pile of rock. The waste-rock pile, which measures 80 ft. east-west by 35 ft. north-south, lies immediately east of the trench.

Historical Background

The Sarvis No. 2 claim was originally located on July 14, 1943, by VCA. An Amended Location Certificate was filed by the VCA for the claim on September 21, 1955 (San Miguel County Courthouse, County Clerk's Office, Book 264, Page 141; Book 264, Page 142). VCA filed AOL documents for the Sarvis No. 2 claim every year between 1944 and 1958, after which the claim was apparently allowed to lapse (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 85; Book 275, Page 65).

National Register Recommendations

The Sarvis No. 2 Mine was first discovered during Twitty's (2008) fourth period of significance, World War II (1941-1945). Based on the identification of an AEC standpipe adjacent to the mine, it is likely that the lode was discovered as part of the AEC drilling program. The Sarvis No. 2 Mine appears to have been in operation through the majority of Twitty's (2008) fifth period of significance, the Atomic era (1946-1963). However, little information is available concerning ore production during this period, making it difficult to evaluate effectively the importance of this mine during Twitty's (2008) Atomic era. Additionally, the integrity of the site is low in terms of Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity, as the method of operation for the mine was either very simple or is no longer evident. The mine is not very visible as a feature of the mining landscape, given its lack of structures and remote location. Alpine recommends the Sarvis No. 2 Mine as not eligible for the NRHP.

Potential Project Impacts

The Sarvis No. 2 Mine is proposed for reclamation. The portal will be permanently closed with large boulders and rocks and then backfilled with available mine waste-rock materials. The mine waste-rock dump will be recontoured to blend in with the natural topography of the area. The area shall then be recontoured with other available surface soil materials, pocked, and reseeded with an approved seed mixture.

Management Recommendations

Because Alpine recommends the Sarvis No. 2 Mine as ineligible for the NRHP, no further archaeological or historical work is recommended.

5SM6564 – The Sarvis No. 3 Mine

The Sarvis No. 3 Mine (5SM6564) is a 0.2-acre uranium mine site in the "Spud Patch," a flat tableland area between Bush Canyon and the Dolores River Canyon. The site is on the unpatented Sarvis No. 3 mining claim on land administered by the BLM-DFO, within the DOE Uranium Reserve. The site is at an elevation of 7,460 ft. (2,274 m), in an area primarily vegetated by sparse pinyon and juniper forest in association with sagebrush, Gambel oak, serviceberry, and mountain mahogany. The site includes one adit and a waste-rock pile (see Appendix B-9). No artifacts were observed at the site.

Adit 1 is a mine portal opening measuring 5 ft. tall by 6 ft. wide and oriented at a 180-degree angle. The portal opening lies on the southern end of a 12-ft.-deep trench, which measures 45 ft. north-south by 35 ft. east-west. The height of the berm above the surrounding ground surface is approximately 2 to 3 ft. There is no wooden support structure visible. A waste-rock pile measuring 40 ft. north-south by 20 ft. east-west lies immediately north of the trench.

Historical Background

The Sarvis No. 3 claim was originally located on July 14, 1943, by VCA, at the same time the Sarvis No. 2 claim was located (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 14). An Amended Location Certificate was filed by VCA for both claims on September 21, 1955 (San Miguel County Courthouse, County Clerk's Office, Book 264, Page 141; Book 264, Page 142). VCA filed AOL documents for the Sarvis No. 2 and 3 claims every year between 1944 and 1958, after which the claim was apparently allowed to lapse (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 85; Book 275, Page 65).

National Register Recommendations

The Sarvis No. 3 Mine was first discovered in the midst of Twitty's (2008) fourth period of significance, World War II (1941-1945). Like the Sarvis No. 2 Mine, the Sarvis No. 3 Mine appears to have been in operation through the majority of Twitty's (2008) fifth period of significance, the Atomic era (1946-1963). However, little information is available concerning ore production during this period, making it difficult to evaluate effectively the importance of this mine in the context of Twitty's (2008) fifth period of significance. Archaeological remains at the Sarvis No. 3 Mine are very similar to those at the Sarvis No. 2—the integrity of the site is low in terms of Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity, as its method of operation was either very simple or is no longer evident. The mine is not very visible as a feature of the mining landscape, given its lack of structures and remote location, and the information potential of the site appears to have been exhausted by surface documentation. Alpine recommends the Sarvis No. 3 Mine as not eligible for the NRHP.

Potential Project Impacts

The Sarvis No. 3 Mine is proposed for reclamation. The portal will be permanently closed with large boulders and rocks and then backfilled with available mine waste-rock materials. The mine waste-rock dump will be recontoured to blend in with the natural topography of the area. The area shall then be recontoured with other available surface soil materials, pocked, and reseeded with an approved seed mixture.

Management Recommendations

Because Alpine recommends the Sarvis No. 3 Mine as ineligible for the NRHP, no further archaeological or historical work is recommended.

Lease Tract C-SR-13

5SM1945 – Slick Rock Mill Site

Site 5SM1945 was originally recorded as the Slick Rock town site. The original recordation of the site was conducted in 1987 by Complete Archaeological Service Associates, prior to reclamation of the site (Hammack 1987). It is situated on a flat point created by a large "C"-curve in the Dolores River. At the time of the first recording, the site boundary was drawn to include 43.79 acres of land currently administered by the BLM-DFO. The elevation of the site is 5,540 ft. (1,689 m). Vegetation in the area consists of sagebrush and rabbitbrush.

Site reclamation was required by the Uranium Mill Tailings Radiation Control Act (UMTRA), which was passed in 1978. At the time of site recordation, field personnel described the site as containing the:

Remains of four structures with outhouse, cesspool, and associated outbuilding foundations. Little remains of houses except for footings constructed of brick or cut sandstone. The central portion of the site appears to have been a trailer park with hookups and two cement shower or washing facility foundations. No trace of the mill buildings remain, as all structures were removed and buried under tailings. Although there are extensive trash deposits below edge of mesa, no evidence of a pre 1930s occupation of the area was found (Hammack 1978).

At that time, a trash scatter accompanying the remains was described as "1930-60's trash including cans, bottles, car bodies, domestic items," although no diagnostic criteria were given. The mill referred to on the site form was the mill owned by North Continent Mining, Inc., which was constructed at Slick Rock in the late 1930s (Twitty 2008).

Isolated Finds

Five isolated finds were recorded during project work, which all consisted of areas with reclaimed mine features that have since subsided. These isolated finds are summarized in Table 11. In each case, besides the subsidence or subsidences, no other cultural remains were present to justify recordation of a site. Isolated finds were recorded on the Ortmeier, the Ike No. 1, the Jupiter, the Ellison, and the Golden Rod claims. The subsidence at the Jupiter claim (5SM6573) had a small artifact scatter nearby, consisting of sanitary cans, a bucket lid, and a pipefitting—however, as none of these artifacts are diagnostic, and due to reclamation their context is completely destroyed, the area was recorded as an isolated find rather than a site. Isolated finds, by definition, are considered insignificant cultural resources; these resources are all recommended as ineligible for NRHP nomination and require no further work.

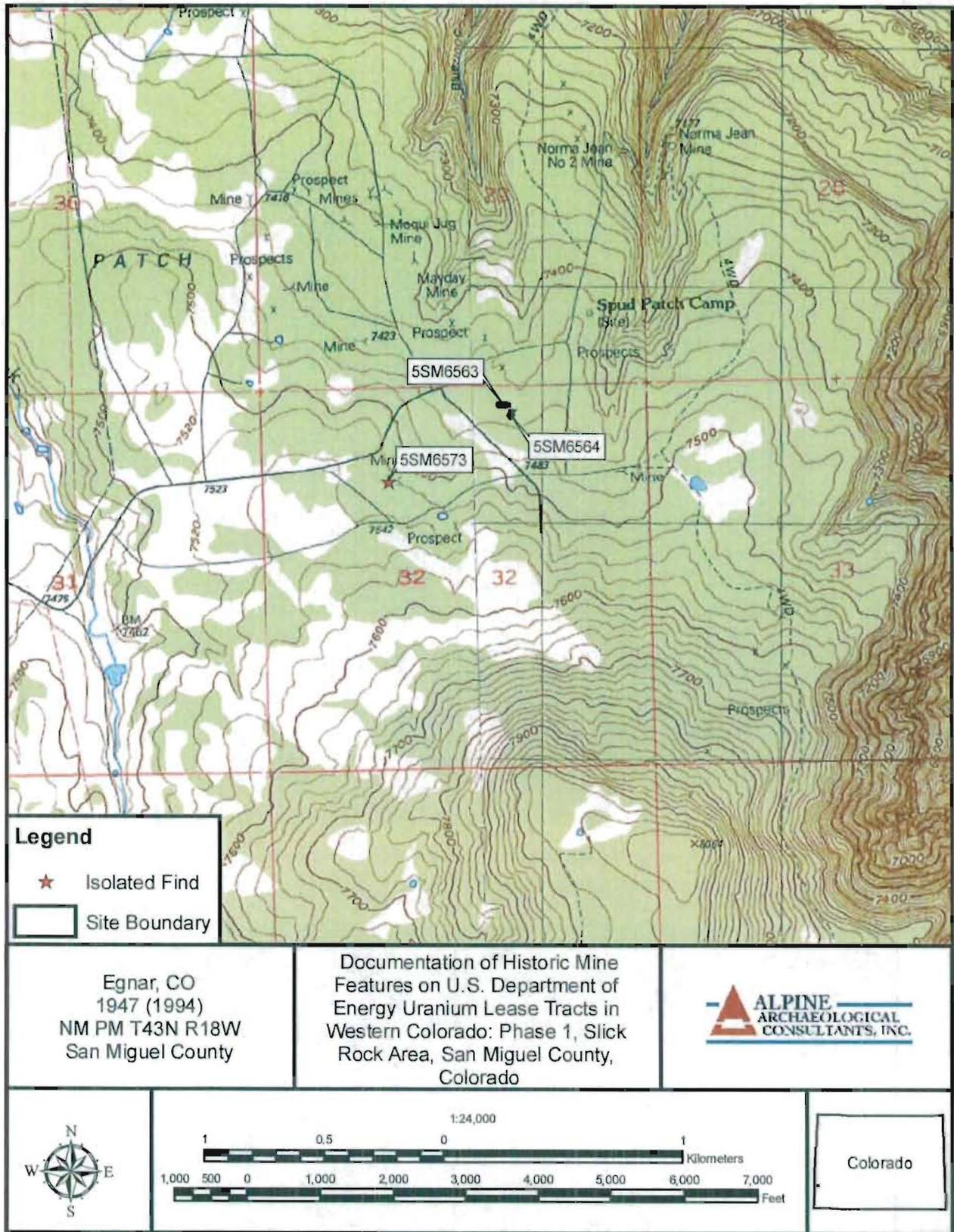
Table 11. Isolated Finds.

Isolate No.	Lease Tract	Mining Claim	Subsidence Dimensions	Subsidence Depth	Artifacts
5SM6571	C-SR-10	Ortmeier	70 ft. by 61 ft.	20 ft.	None
5SM6572	C-SR-10	Ike No. 1	12 ft. by 4 ft.	1-2 ft.	1 piece of strap metal
5SM6573	C-SR-12	Jupiter	Subsidence 1: 6 ft. by 6 ft.; Subsidence 2: 15 ft. by 10 ft.	Subsidence 1: 25-30 ft.; Subsidence 2: 5 ft.	20 sanitary cans; metal lid to 5-gallon lubricant bucket; 2-in.-diameter screw-top metal pipe fitting
5SM6574	C-SR-13	Ellison	5 ft. wide and 4 ft. high	20+ ft.	None
5SM6575	C-SR-16A	Golden Rod	7 ft. by 4 ft.	20 ft.	None

SUMMARY AND RECOMMENDATIONS

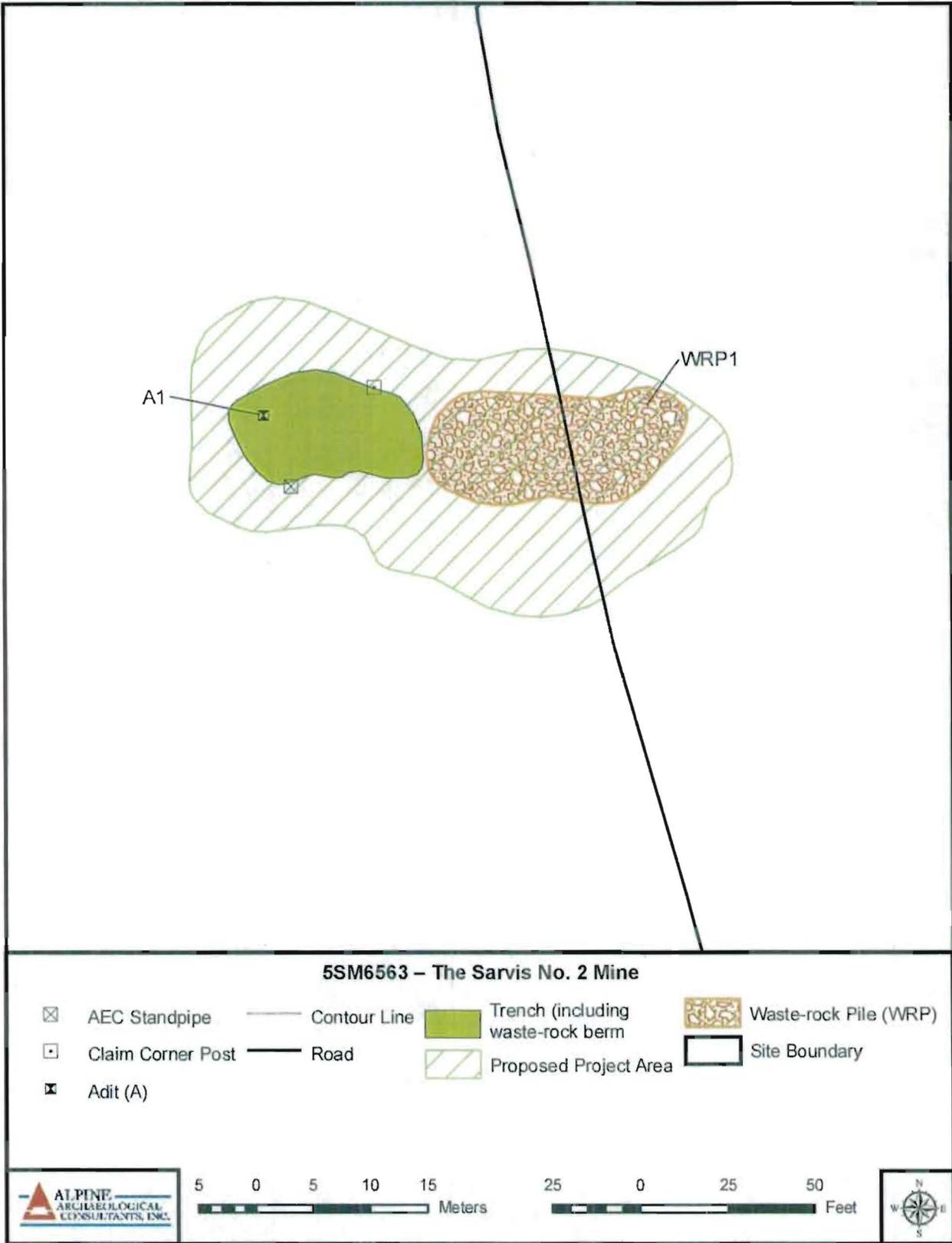
The historic mine features documentation on seven DOE uranium lease tracts resulted in the examination of 19.04 acres, all of which are on DOE Uranium Reserve lands administered by the BLM-DFO. Fifteen cultural resource sites were recorded during the inventory, all of which were evaluated as not eligible for inclusion on the National Register of Historic Places. No further archaeological or historical work is recommended at these sites. Five isolated finds were also recorded, which by definition are ineligible. The results of the project were as expected. Mine features proposed for reclamation or subsidence in-fill were recorded as cultural resource sites or isolated finds, depending on the nature of the resources within the area slated for disturbance.

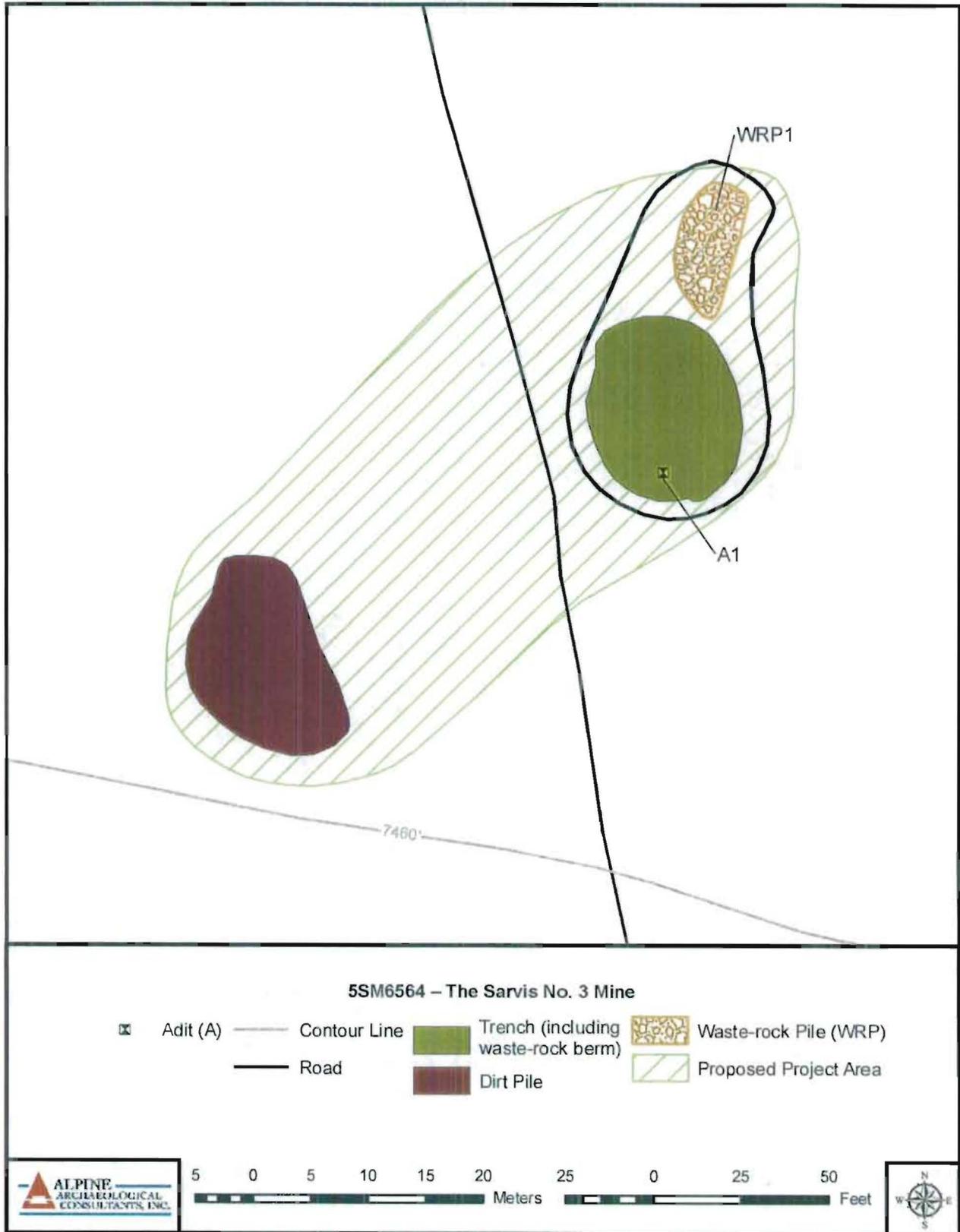
For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18).



Appendix A-4

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18).





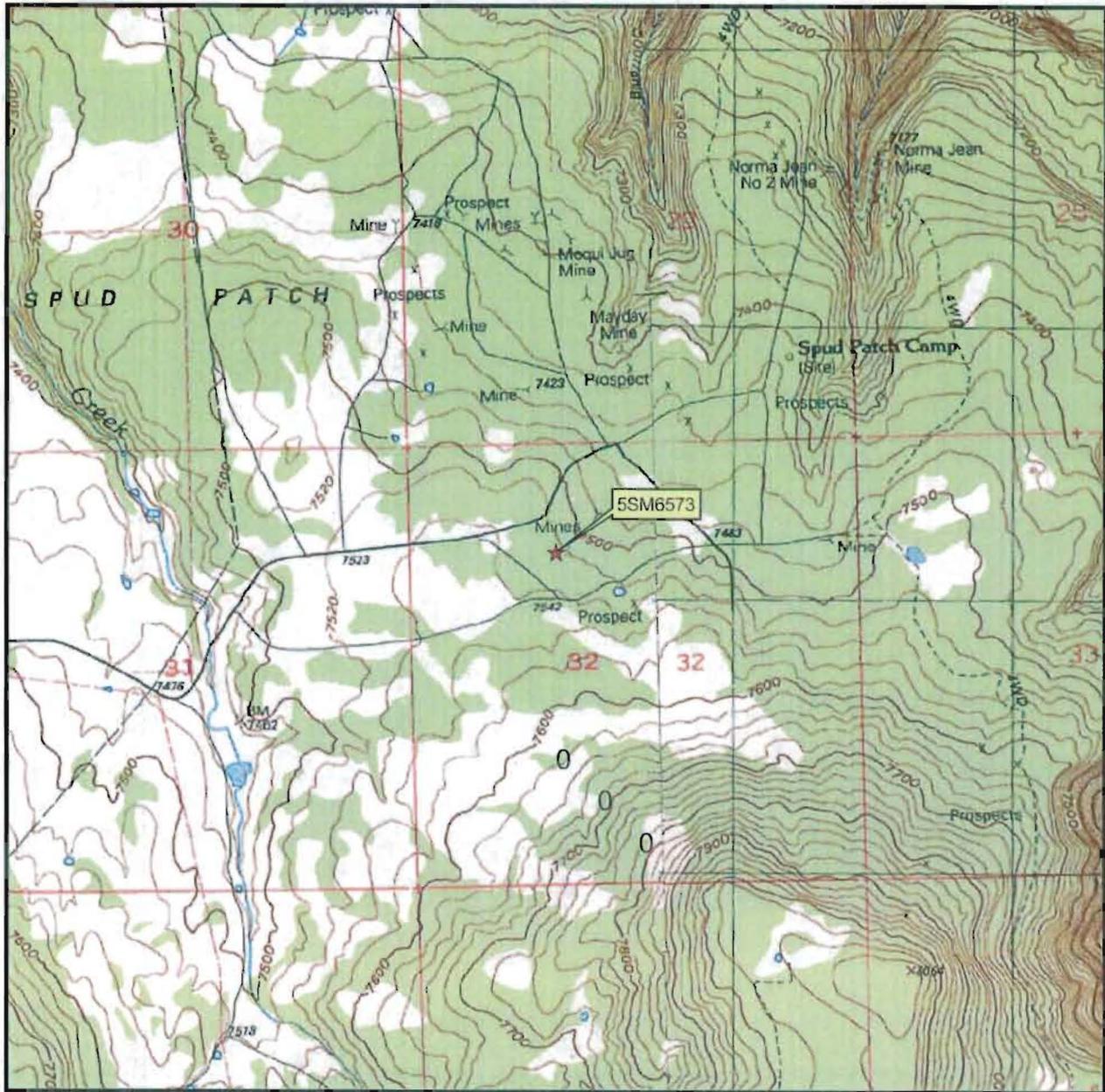


5SM6573. Subsidence 1 at Jupiter Mine, looking southwest.



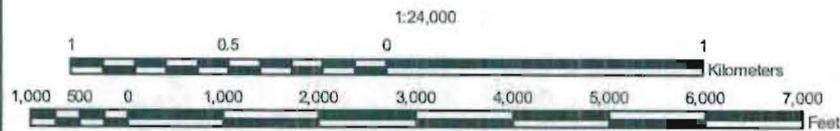
5SM6573. Subsidence 2, subsided portal, looking southwest.

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Egnar, CO
1947 (1994)
NM PM T43N R18W
San Miguel County

Documentation of Historic Mine
Features on U.S. Department of
Energy Uranium Lease Tracts in
Western Colorado: Phase 1, Slick
Rock Area, San Miguel County,
Colorado



Colorado

Resource Number: 5SM6563
Temporary Resource Number: CSR12Sar2

Management Data Form

(page 2 of 4)

13. USGS Quad Joe Davis Hill, CO 7.5' 15' Date(s): 1993 (attach photocopy)
14. County: San Miguel 15. Other Maps:
16. UTM Reference: Check your Datum NAD 27 NAD 83
- A. 12: 686769 mE 4202710 mN
B. 12: mE mN
C. 12: mE mN
D. 12: mE mN
17. Address: Lot Block: Addition
18. Location/Access: From the intersection of Co. Hwy. 141 with County Road S.8 near Slick Rock, CO, continue south on Co. Hwy. 141 for 10.3 miles to the intersection with CR K7. Turn east on CR K7 and continue 4.0 mile to an intersection with an ATV trail. Turn south on ATV trail and continue 1,000 ft. to the site.

III. NATURAL ENVIRONMENT

19. Topographic Feature(s):
- | | | |
|--|--|---------------------------------------|
| <input type="checkbox"/> mountain | <input type="checkbox"/> ledge | <input type="checkbox"/> playa |
| <input type="checkbox"/> hill | <input type="checkbox"/> terrace/bench | <input type="checkbox"/> talus slope |
| <input checked="" type="checkbox"/> tableland/mesa | <input type="checkbox"/> canyon | <input type="checkbox"/> alluvial fan |
| <input type="checkbox"/> ridge | <input type="checkbox"/> valley | <input type="checkbox"/> plain |
| <input type="checkbox"/> saddle/pass | <input type="checkbox"/> basin | <input type="checkbox"/> dune |
| <input type="checkbox"/> alcove/rockshelter | <input type="checkbox"/> floodplain | <input type="checkbox"/> |
| <input type="checkbox"/> cliff | <input type="checkbox"/> cutbank | <input type="checkbox"/> |
| <input type="checkbox"/> slope | <input type="checkbox"/> arroyo/gully | <input type="checkbox"/> |
20. Site Topographic Description (mention names landforms):
The site is on a flat, upland area known as the "Spud Patch," between Bush Canyon and the Dolores River Canyon.
21. Site Elevation: 7,460 feet = (x .3048) 2274 meters 22. Aspect: 355 °
23. Degree of Slope on Site: 1-2 ° 24. Soil Depth: 0-20 cm
25. Soil Description (character and color): Reddish-brown sandy loam
26. Depositional Environment
- | | | |
|--|---|--|
| <input type="checkbox"/> Aeolian | <input checked="" type="checkbox"/> Colluvial | <input checked="" type="checkbox"/> Residual |
| <input type="checkbox"/> Alluvial | <input type="checkbox"/> Moraine | <input type="checkbox"/> None |
| <input type="checkbox"/> Other, specify: | | |
27. Nearest Water: name/nature Blue Canyon tributary/ intermittent distance: 945 m 3100 ft
28. Nearest Permanent Water: name: Dolores River distance: 2560 m 8399 ft
29. Vegetation on Site (list predominant species): Sparse pinyon and juniper forest
30. Vegetation Associations/Communities Surrounding Site: Sparse pinyon and juniper forest with sagebrush, Gambel oak, serviceberry, and mountain mahogany

Resource Number: 5SM6563
Temporary Resource Number: CSR12Sar2

Management Data Form

(page 3 of 4)

IV. NATIONAL/STATE REGISTER ELIGIBILITY ASSESSMENT

31. Context or Theme: Mining - Uranium

specify: The Atomic Era (1946-1963), based on Twitty (2008)

32. Applicable National Register Criteria

Does not meet any of the below National Register criteria

A. Associated with events that have made a significant contribution to the broad pattern of our history; or

B. Associated with the lives of persons significant to our past; or

C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Has yielded, or may be likely to yield, information important in history or prehistory; or

Qualifies under exceptions A through G.

Level of Significance: National State Local

33. Condition:

a. Architectural/Structural

Excellent

Good

Fair

Deteriorated

Ruins

b. Archaeological/Paleontological

Undisturbed

Light disturbance

Moderate disturbance

Heavy disturbance

Total disturbance

34. Describe Condition: No architectural features; waste rock eroding.

35. Vandalism: describe

36. National Register Eligibility Field Assessment:

Eligible Not Eligible Need Data

Statement of Significance/N.R.H.P. Justification

The Sarvis No. 2 Mine was first discovered during Twitty's (2008) fourth period of significance, World War II (1941-1945). Based on the identification of an AEC standpipe adjacent to the mine, it is likely that the lode was discovered as part of the AEC drilling program. The Sarvis No. 2 Mine appears to have been in operation through the majority of Twitty's (2008) fifth period of significance, the Atomic era (1946-1963). However, little information is available concerning ore production during this period, making it difficult to evaluate effectively the importance of this mine during Twitty's (2008) Atomic era. (Please see Management Data Continuation Page.)

37. Status in an Existing National Register District:

Contributing Non-Contributing

38. National Register District Potential

discuss

Resource Number: 5SM6563
Temporary Resource Number: CSR12Sar2

Management Data Form

(page 4 of 4)

V. MANAGEMENT AND ADMINISTRATIVE DATA

39. Threats to Resource: Water erosion Wind erosion Grazing Neglect
Vandalism Recreation Construction Other (specify): Reclamation
comments:
40. Existing Protection: None Marked Fenced Patrolled Access controlled
other (specify):
41. Local landmark designation: 42. Easement:
43. Management Recommendations:
Because Alpine recommends the Sarvis No. 2 Mine as ineligible for the NRHP, no further archaeological or historical work is recommended.

VI. DOCUMENTATION

44. Previous Actions Accomplished at the site:
a. Excavations: Test Partial Complete Date(s):
b. Stabilization: Date(s):
c. HABS/HAER Documentation Date(s) and Numbers:
d. Other:
45. Known collections/reports/interviews and other references (list):
46. Primary Location of Additional Data: Alpine Archaeological Cons., 900 S. Townsend, Montrose, CO 81401
47. State or Federal Permit Number: BLM C-46920 Collection Authorized:
Artifact Collection: Artifact Repository: N/A
Collection Method: Diagnostics Grab Sample Random Sample Transect
Other (specify):
48. Photograph Numbers: SMM-DUL-09-1: images 59 - 62 Negatives filed at: N/A - Digital images
49. Report Title: Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 1, Slick Rock Area, San Miguel County, Colorado
50. Recorder(s): Summer Moore-McMillan, Jeremy Omvig Date(s): 6/23/2009
51. Recorder Affiliation: Alpine Archaeological Consultants, Inc. Montrose, CO
52. Phone Number: (970) 249-6167

NOTE: Please attach a sketch map, a photocopy of the USGS quad. map indicating resource location, and photographs.

Colorado Historical Society - Office of Archaeology and Historic Preservation,
1300 Broadway, Denver, CO 80203
1303-866-3395

COLORADO CULTURAL RESOURCE SURVEY

Management Data Form

Continuation Page

Resource Number: 5SM6563
Temporary Resource Number: CSR12Sar2

36. National Register Eligibility Field Assessment:

Statement of Significance/N.R.H.P. Justification:

Additionally, the integrity of the site is low in terms of Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity, as the method of operation for the mine was either very simple or is no longer evident. The mine is not very visible as a feature of the mining landscape, given its lack of structures and remote location. Alpine recommends the Sarvis No. 2 Mine as not eligible for the NRHP.

Reference Cited:

Twitty, Eric (2008). "Guide to Assessing Historic Radium, Uranium, and Vanadium Mining Resources in Montrose and San Miguel Counties." Prepared by Mountain States Historical, Boulder, Colorado. Prepared for Western Colorado Interpretive Association, Delta, Colorado.

Historic Archaeological Component Form

(page 1 of 4)

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each historical resources with archaeological potential.

Does this form pertain to the site in general?

OR

a particular feature/structure (please note feature/structure number)

1. Resource Number: 5SM6563 2. Temporary Resource Number: CSR12Sar2

3. Site/Feature Type: Uranium Mine

4. General Site/Feature Description:

The Sarvis No. 2 Mine (5SM6563) is a 0.4-acre uranium mine site on a flat, upland area known as the "Spud Patch," between Bush Canyon and the Dolores River Canyon. The site is on the unpatented Sarvis No. 2 mining claim, on land administered by the BLM-DFO. The claim falls within the DOE Uranium Reserve, at an elevation of 7,460 ft. (2,274 m). Vegetation in the area consists of sparse pinyon and juniper forest in association with sagebrush, Gambel oak, serviceberry, and mountain mahogany. The site includes one adit, a waste-rock pile, a claim post, and an AEC standpipe. Artifacts at the site include a few scattered pieces of deteriorated dimensional lumber and a sanitary can.

Adit 1 is a mine portal opening measuring 5 ft. tall by 5 ft. wide and oriented at a 270-degree angle. The portal opening lies at the western end of a 20-ft.-deep trench, which measures 60 ft. east-west and 30 ft. north-south and is surrounded by a waste-rock berm on all sides except the eastern end. The height of the berm above the ground surface is approximately 2 to 3 ft. No wooden support structure is present. The base of the trench, including much of the portal opening, has filled with standing water. An AEC standpipe lies adjacent to the berm on the southern side of the trench. Because the cap of the standpipe is missing, the number of the drill hole could not be recorded. On the northern side of the trench is a claim corner marker consisting of a 3 by 4- in. beam propped up in a pile of rock. The waste-rock pile, which measures 80 ft. east-west by 35 ft. north-south, lies immediately east of the trench.

5. Historic Component Date(s) and/or Sociopolitical Period: 1943-1958

Justification: Historical documents

6. Component Function(s)

Original Use: Uranium mine

Present Use: None

Comments:

7. Ethnic affiliation of occupants: Historic

Justification: Historical records

Resource Number 5SM6563

Temporary Resource Number: CSR12Sar2

Historic Archaeological Component Form

(page 2 of 4)

8. Artifact Classes: Please list specific attributes on the first line and artifact quantity (either count or estimate on the second line. Particularly important attributes are listed following the artifact class.

A. Glass: type function, color, manufacturing technique, makers marks, inscriptions, thickness, shape

Bottle glass: purple clear aqua cobalt blue amber
light green olive green yellowish other:

Vessel finish: hand-finished machine-made

Vessel types:

Makers marks/embossing:

Other vessel types:

Total estimated number of vessels:

B. Ceramics: type, function, surface treatment/glaze, shape, trademarks, color, decorations

Earthenware:

Estimated number of vessels:

Stoneware:

Estimated number of vessels:

Porcelain:

Estimated number of vessels:

C. Nails: size, material type and manufacture technique, if not wire or cut

Cut nails: **Quantity:** **Wirenails:** **Quantity:**

Other fasteners:

Quantity:

Resource Number 5SM6563

Temporary Resource Number: CSR12Sar2

Historic Archaeological Component Form

(page 3 of 4)

D. Cans: function, size, material type, type of opening, seams, inscriptions Quantity

Hole-in-cap:

Hole-in-top:

Sanitary: Food can

1

Other:

E. Cartridge Cases: type, size, inscriptions, material type

Rimfire:

Centerfire:

Other:

F. Construction Material: type, material, function (includes items such as logs, lumber, brick, adobe, cement, concrete, stone/rock, sheet metal, asphalt, tar, pipe)

Window glass: **Quantity:**

Other: Several pieces of deteriorated milled lumber.

G. Misc. Other Items: type, material, function (includes items such as utensils, stove parts, wire, nuts, bolts, rivets, screws, buckets, barrels, vehicle parts, machinery, leather, clothing, bone, furniture, buttons, etc.)

List:

9. Artifact Density: Heavy Medium Light

Describe: Only one can and a few pieces of lumber were identified at the site.

10. Additional Information:

Historical Background

The Sarvis No. 2 claim was originally located on July 14, 1943, by VCA. An Amended Location Certificate was filed by the VCA for the claim on September 21, 1955 (San Miguel County Courthouse, County Clerk's Office, Book 264, Page 141; Book 264, Page 142). VCA filed AOL documents for the Sarvis No. 2 claim every year between 1944 and 1958, after which the claim was apparently allowed to lapse (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 85; Book 275, Page 65).

Resource Number 5SM6563

Temporary Resource Number: CSR12Sar2

Historic Archaeological Component Form

(page 4 of 4)

Note: Complete parts 11 and 12 only if this form pertains to the site in general.

11. Architectural Features(s). Please complete a Historic Architectural Component Form when appropriate.

Map Ref.	Description	Construction Material	Dimensions
----------	-------------	-----------------------	------------

12.. Non-architectural features(s).

Map Ref.	Description	Construction Material	Dimensions
<u>A1</u>	<u>Mine adit/portal, no support structure visible</u>	<u>Stone</u>	<u>5 by 5 ft.</u>
<u>WRP1</u>	<u>Waste-rock pile</u>	<u>Discarded rock</u>	<u>80 by 35 ft.</u>
<u>ClaimPost</u>	<u>Claim corner marker</u>	<u>Wooden beam</u>	<u>3 by 4 in.</u>
<u>Standpipe</u>	<u>AEC standpipe with cap removed (thus, no label)</u>	<u>Metal pipe</u>	<u>3 in. by 1 ft.</u>

13. Discuss Archaeological potential:

The site has no archaeological potential.

14. Recorder(s): Summer Moore-McMillan, Jeremy Omvig

15. Date: 6/23/2009

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1300 Broadway, Denver, CO 80203
1303-866-3395



5SM6563 Sarvis area overview, looking southeast.

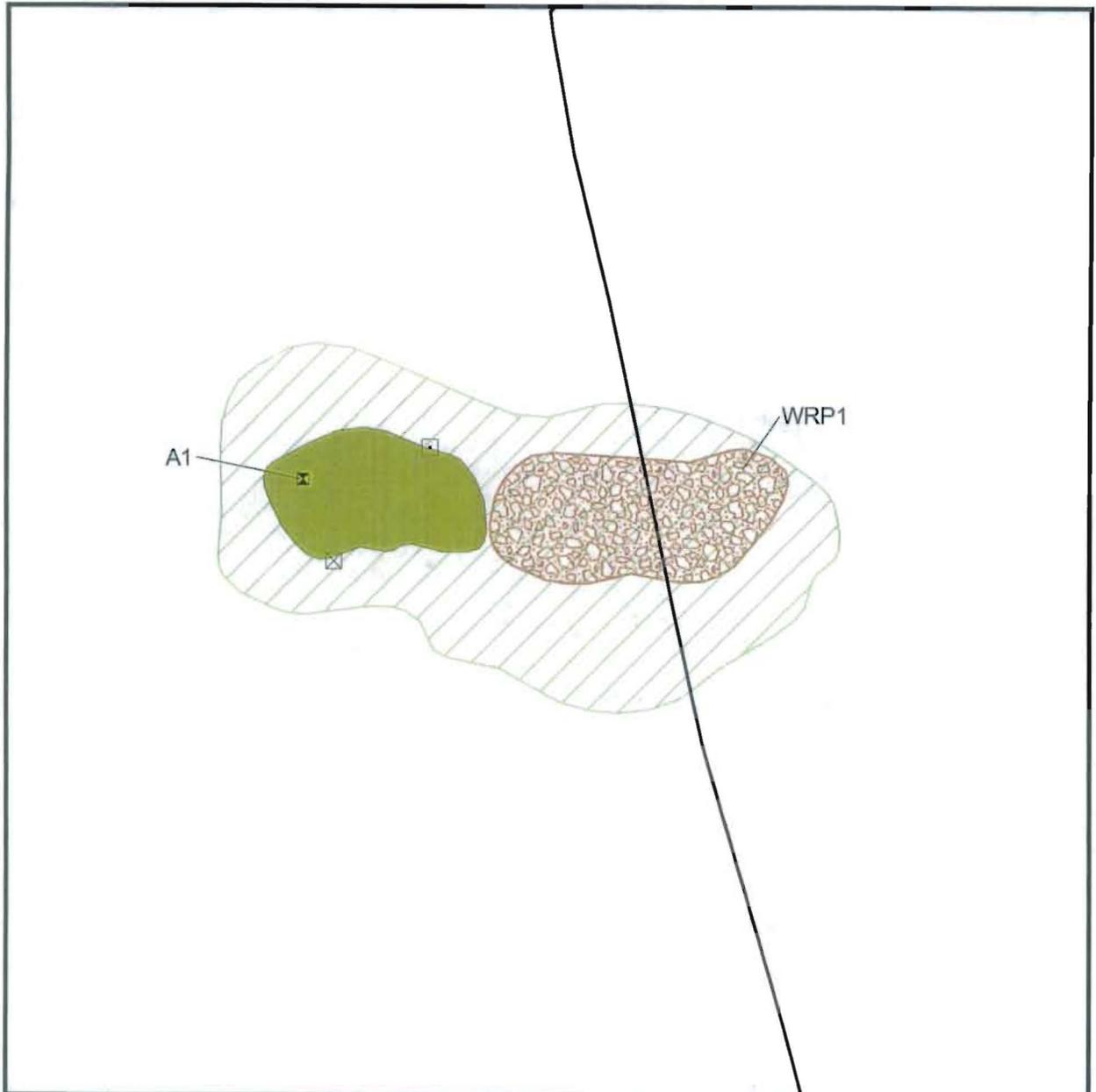


5SM6563. Sarvis No. 2 portal, facing northwest.



5SM6563. Sarvis No. 2 claim corner, looking west.

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18).

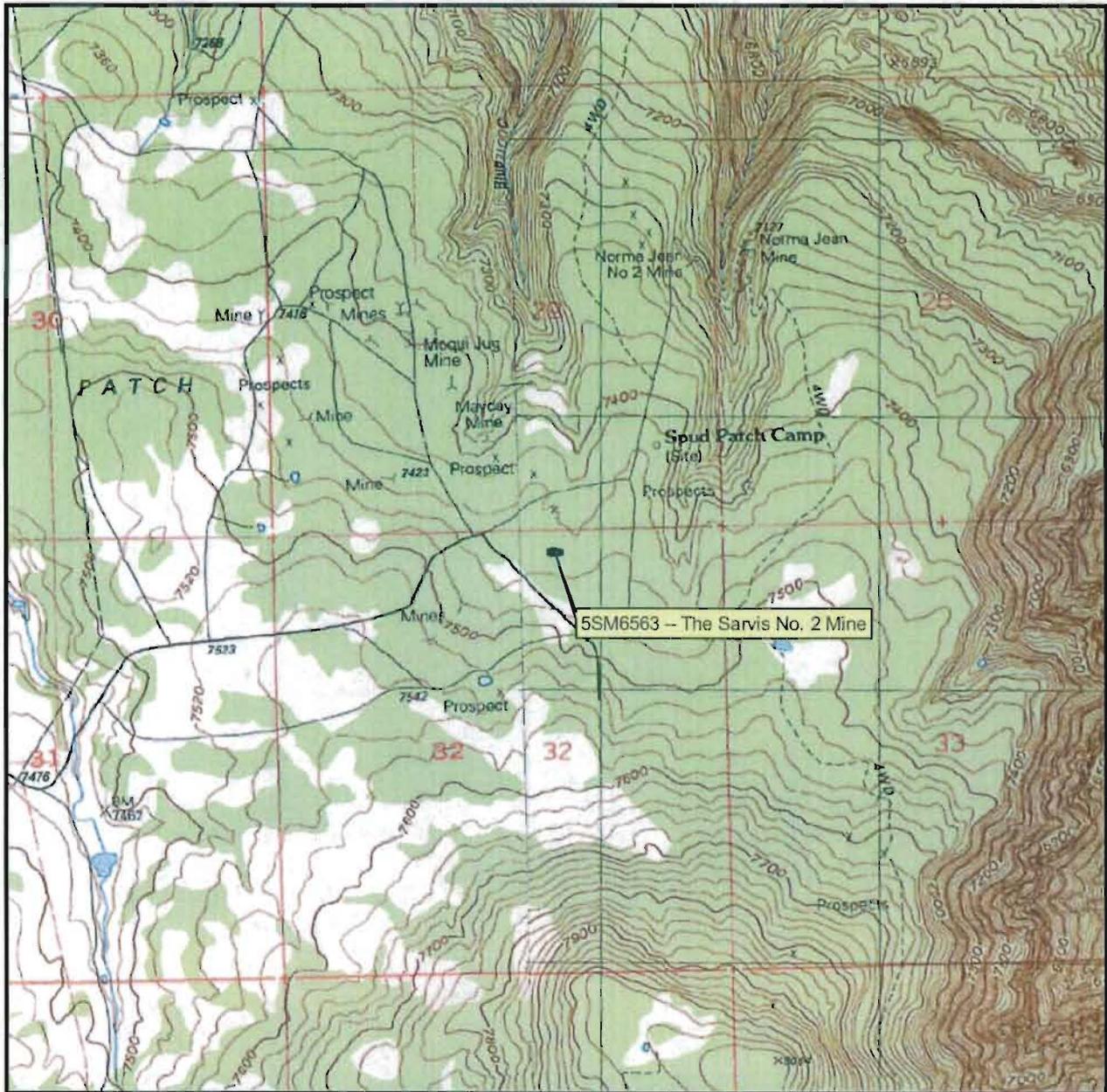


5SM6563 – The Sarvis No. 2 Mine

- | | | | |
|---------------------|----------------|--------------------------------------|-------------------------|
| ☒ AEC Standpipe | — Contour Line | █ Trench (including waste-rock berm) | █ Waste-rock Pile (WRP) |
| ☐ Claim Corner Post | — Road | ▨ Proposed Project Area | ▭ Site Boundary |
| ☒ Adit (A) | | | |

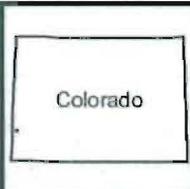
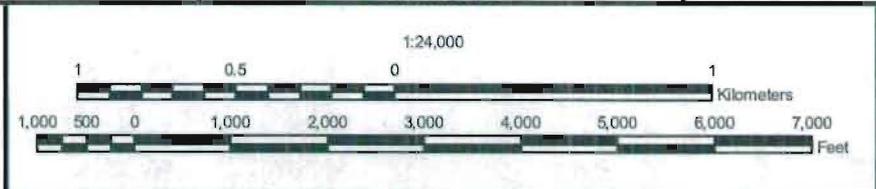


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Joe Davis Hill, CO
1988 (1993)
NM PM T43N R18W
San Miguel County

Documentation of Historic Mine
Features on U.S. Department of
Energy Uranium Lease Tracts in
Western Colorado: Phase 1, Slick
Rock Area, San Miguel County,
Colorado



Resource Number: 5SM6564
Temporary Resource Number: CSR12Sar3

Management Data Form

(page 2 of 4)

13. USGS Quad Joe Davis Hill, CO 7.5' 15' Date(s): 1993 (attach photocopy)
14. County: San Miguel 15. Other Maps:
16. UTM Reference: Check your Datum NAD 27 NAD 83
- A. 12; 686802 mE 4202669 mN
B. 12; mE mN
C. 12; mE mN
D. 12; mE mN
17. Address: Lot Block: Addition
18. Location/Access: From the intersection of Co. Hwy. 141 with County Road S.8 near Slick Rock, CO, continue south on Co. Hwy. 141 for 10.3 miles to the intersection with CR K7. Turn east on CR K7 and continue 4.0 mile to an intersection with an ATV trail. Turn south on ATV trail and continue 1,000 ft. to the site.

III. NATURAL ENVIRONMENT

19. Topographic Feature(s):
- | | | |
|--|--|---------------------------------------|
| <input type="checkbox"/> mountain | <input type="checkbox"/> ledge | <input type="checkbox"/> playa |
| <input type="checkbox"/> hill | <input type="checkbox"/> terrace/bench | <input type="checkbox"/> talus slope |
| <input checked="" type="checkbox"/> tableland/mesa | <input type="checkbox"/> canyon | <input type="checkbox"/> alluvial fan |
| <input type="checkbox"/> ridge | <input type="checkbox"/> valley | <input type="checkbox"/> plain |
| <input type="checkbox"/> saddle/pass | <input type="checkbox"/> basin | <input type="checkbox"/> dune |
| <input type="checkbox"/> alcove/rockshelter | <input type="checkbox"/> floodplain | <input type="checkbox"/> |
| <input type="checkbox"/> cliff | <input type="checkbox"/> cutbank | <input type="checkbox"/> |
| <input type="checkbox"/> slope | <input type="checkbox"/> arroyo/gully | <input type="checkbox"/> |
20. Site Topographic Description (mention names landforms):
The site is in the "Spud Patch," a flat tableland area between Bush Canyon and the Dolores River Canyon.
21. Site Elevation: 7,460 feet = (x .3048) 2274 meters 22. Aspect: 355 °
23. Degree of Slope on Site: 1-2 ° 24. Soil Depth: 0-20 cm
25. Soil Description (character and color): Reddish-brown sandy loam
26. Depositional Environment
- | | | |
|--|---|--|
| <input type="checkbox"/> Aeolian | <input checked="" type="checkbox"/> Colluvial | <input checked="" type="checkbox"/> Residual |
| <input type="checkbox"/> Alluvial | <input type="checkbox"/> Moraine | <input type="checkbox"/> None |
| <input type="checkbox"/> Other, specify: | | |
27. Nearest Water: name/nature Blue Canyon tributary/ intermittent distance: 985 m 3232 ft
28. Nearest Permanent Water: name: Dolores River distance: 2575 m 8448 ft
29. Vegetation on Site (list predominant species): Sparse pinyon and juniper forest
30. Vegetation Associations/Communities Surrounding Site: Sparse pinyon and juniper forest with sagebrush, Gambel oak, serviceberry, and mountain mahogany

Resource Number: 5SM6564
Temporary Resource Number: CSR12Sar3

Management Data Form

(page 3 of 4)

IV. NATIONAL/STATE REGISTER ELIGIBILITY ASSESSMENT

31. Context or Theme: Mining - Uranium

specify: The Atomic Era (1945-1963), based on Twitty (2008)

32. Applicable National Register Criteria

- Does not meet any of the below National Register criteria
- A. Associated with events that have made a significant contribution to the broad pattern of our history; or
- B. Associated with the lives of persons significant to our past; or
- C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. Has yielded, or may be likely to yield, information important in history or prehistory; or
- Qualifies under exceptions A through G.

Level of Significance: National State Local

33. Condition:

a. Architectural/Structural

- Excellent
- Good
- Fair
- Deteriorated
- Ruins

b. Archaeological/Paleontological

- Undisturbed
- Light disturbance
- Moderate disturbance
- Heavy disturbance
- Total disturbance

34. Describe Condition: No architectural features; waste rock eroding.

35. Vandalism: describe

36. National Register Eligibility Field Assessment:

Eligible Not Eligible Need Data

Statement of Significance/N.R.H.P. Justification

The Sarvis No. 3 Mine was first discovered in the midst of Twitty's (2008) fourth period of significance, World War II (1941-1945). Like the Sarvis No. 2 Mine, the Sarvis No. 3 Mine appears to have been in operation through the majority of Twitty's (2008) fifth period of significance, the Atomic era (1946-1963). However, little information is available concerning ore production during this period, making it difficult to evaluate effectively the importance of this mine in the context of Twitty's (2008) fifth period of significance. (Please see Management Data Continuation Page.)

37. Status in an Existing National Register District:

Contributing Non-Contributing

38. National Register District Potential

discuss

Resource Number: 5SM6564
Temporary Resource Number: CSR12Sar3

Management Data Form

(page 4 of 4)

V. MANAGEMENT AND ADMINISTRATIVE DATA

39. Threats to Resource: Water erosion Wind erosion Grazing Neglect
Vandalism Recreation Construction Other (specify): Reclamation
comments:
40. Existing Protection: None Marked Fenced Patrolled Access controlled
other (specify):
41. Local landmark designation: 42. Easement:
43. Management Recommendations:
Because Alpine recommends the Sarvis No. 3 Mine as ineligible for the NRHP, no further archaeological or historical work is recommended.

VI. DOCUMENTATION

44. Previous Actions Accomplished at the site:
a. Excavations: Test Partial Complete Date(s):
b. Stabilization: Date(s):
c. HABS/HAER Documentation Date(s) and Numbers:
d. Other:
45. Known collections/reports/interviews and other references (list):
46. Primary Location of Additional Data: Alpine Archaeological Cons., 900 S. Townsend, Montrose, CO 81401
47. State or Federal Permit Number: BLM C-46920 Collection Authorized:
Artifact Collection: Artifact Repository: N/A
Collection Method: Diagnostics Grab Sample Random Sample Transect
Other (specify):
48. Photograph Numbers: SMM-DUL-09-1: images 55 - 58 Negatives filed at: N/A - Digital images
49. Report Title: Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 1, Slick Rock Area, San Miguel County, Colorado
50. Recorder(s): Summer Moore-McMillan, Jeremy Orvig Date(s): 6/23/2009
51. Recorder Affiliation: Alpine Archaeological Consultants, Inc. Montrose, CO
52. Phone Number: (970) 249-6167

NOTE: Please attach a sketch map, a photocopy of the USGS quad. map indicating resource location, and photographs.

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1300 Broadway, Denver, CO 80203
1303-866-3395

COLORADO CULTURAL RESOURCE SURVEY

Management Data Form

Continuation Page

Resource Number: 5SM6564
Temporary Resource Number: CSR12Sar3

36. National Register Eligibility Field Assessment:

Statement of Significance/N.R.H.P. Justification:

Archaeological remains at the Sarvis No. 3 Mine are very similar to those at the Sarvis No. 2—the integrity of the site is low in terms of Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity, as its method of operation was either very simple or is no longer evident. The mine is not very visible as a feature of the mining landscape, given its lack of structures and remote location, and the information potential of the site appears to have been exhausted by surface documentation. Alpine recommends the Sarvis No. 3 Mine as not eligible for the NRHP.

Reference Cited:

Twitty, Eric (2008). "Guide to Assessing Historic Radium, Uranium, and Vanadium Mining Resources in Montrose and San Miguel Counties." Prepared by Mountain States Historical, Boulder, Colorado. Prepared for Western Colorado Interpretive Association, Delta, Colorado.

Historic Archaeological Component Form

(page 1 of 4)

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each historical resources with archaeological potential.

Does this form pertain to the site in general?

OR

a particular feature/structure (please note feature/structure number)

1. Resource Number: 5SM6564 2. Temporary Resource Number: CSR12Sar3
3. Site/Feature Type: Uranium Mine
4. General Site/Feature Description:

The Sarvis No. 3 Mine (5SM6564) is a 0.2-acre uranium mine site in the "Spud Patch," a flat tableland area between Bush Canyon and the Dolores River Canyon. The site is on the unpatented Sarvis No. 3 mining claim on land administered by the BLM-DFO, within the DOE Uranium Reserve. The site is at an elevation of 7,460 ft. (2,274 m), in an area primarily vegetated by sparse pinyon and juniper forest in association with sagebrush, Gambel oak, serviceberry, and mountain mahogany. The site includes one adit and a waste-rock pile. No artifacts were observed at the site.

Adit 1 is a mine portal opening measuring 5 ft. tall by 6 ft. wide and oriented at a 180-degree angle. The portal opening lies on the southern end of a 12-ft.-deep trench, which measures 45 ft. north-south by 35 ft. east-west. The height of the berm above the surrounding ground surface is approximately 2 to 3 ft. There is no wooden support structure visible. A waste-rock pile measuring 40 ft. north-south by 20 ft. east-west lies immediately north of the trench.

5. Historic Component Date(s) and/or Sociopolitical Period: 1943-1958

Justification: Historical documents

6. Component Function(s)

Original Use: Uranium mine

Present Use: None

Comments:

7. Ethnic affiliation of occupants: Historic

Justification: Historical records

Resource Number 5SM6564

Temporary Resource Number: CSR12Sar3

Historic Archaeological Component Form

(page 2 of 4)

8. Artifact Classes: Please list specific attributes on the first line and artifact quantity (either count or estimate on the second line. Particularly important attributes are listed following the artifact class.

A. Glass: type function, color, manufacturing technique, makers marks, inscriptions, thickness, shape

Bottle glass: purple clear aqua cobalt blue amber
 light green olive green yellowish other:

Vessel finish: hand-finished machine-made

Vessel types:

Makers marks/embossing:

Other vessel types:

Total estimated number of vessels:

B. Ceramics: type, function, surface treatment/glaze, shape, trademarks, color, decorations

Earthenware:

Estimated number of vessels:

Stoneware:

Estimated number of vessels:

Porcelain:

Estimated number of vessels:

C. Nails: size, material type and manufacture technique, if not wire or cut

Cut nails: **Quantity:** **Wirenails:** **Quantity:**

Other fasteners:

Quantity:

Resource Number 5SM6564

Temporary Resource Number: CSR12Sar3

Historic Archaeological Component Form

(page 3 of 4)

D. Cans: function, size, material type, type of opening, seams, inscriptions Quantity

Hole-in-cap:

Hole-in-top:

Sanitary:

Other:

E. Cartridge Cases: type, size, inscriptions, material type

Rimfire:

Centerfire:

Other:

F. Construction Material: type, material, function (includes items such as logs, lumber, brick, adobe, cement, concrete, stone/rock, sheet metal, asphalt, tar, pipe)

Window glass: **Quantity:**

Other:

G. Misc. Other Items: type, material, function (includes items such as utensils, stove parts, wire, nuts, bolts, rivets, screws, buckets, barrels, vehicle parts, machinery, leather, clothing, bone, furniture, buttons, etc.)

List:

9. Artifact Density: Heavy Medium Light

Describe: No artifacts were observed at the site.

10. Additional Information:

Historical Background

The Sarvis No. 3 claim was originally located on July 14, 1943, by VCA, at the same time the Sarvis No. 2 claim was located (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 14). An Amended Location Certificate was filed by VCA for both claims on September 21, 1955 (San Miguel County Courthouse, County Clerk's Office, Book 264, Page 141; Book 264, Page 142). VCA filed AOL documents for the Sarvis No. 2 and 3 claims every year between 1944 and 1958, after which the claim was apparently allowed to lapse (San Miguel County Courthouse, County Clerk's Office, Book 204, Page 85; Book 275, Page 65).

Resource Number 5SM6564

Temporary Resource Number: CSR12Sar3

Historic Archaeological Component Form

(page 4 of 4)

Note: Complete parts 11 and 12 only if this form pertains to the site in general.

11. Architectural Features(s). Please complete a Historic Architectural Component Form when appropriate.

Map Ref.	Description	Construction Material	Dimensions
----------	-------------	-----------------------	------------

12.. Non-architectural features(s).

Map Ref.	Description	Construction Material	Dimensions
<u>A1</u>	<u>Mine adit/portal with no support structure visible</u>	<u>Stone</u>	<u>5 by 6 ft.</u>
<u>WRP1</u>	<u>Waste-rock pile</u>	<u>Discarded rock</u>	<u>40 by 20 ft.</u>

13. Discuss Archaeological potential:

The site has no archaeological potential.

14. Recorder(s): Summer Moore-McMillan, Jeremy Omvig

15. Date: 6/23/2009

Colorado Historical Society - Office of Archaeology and Historic Preservation,
1300 Broadway, Denver, CO 80203
1303-866-3395



5SM6564 Overview of disturbance area, looking southwest.

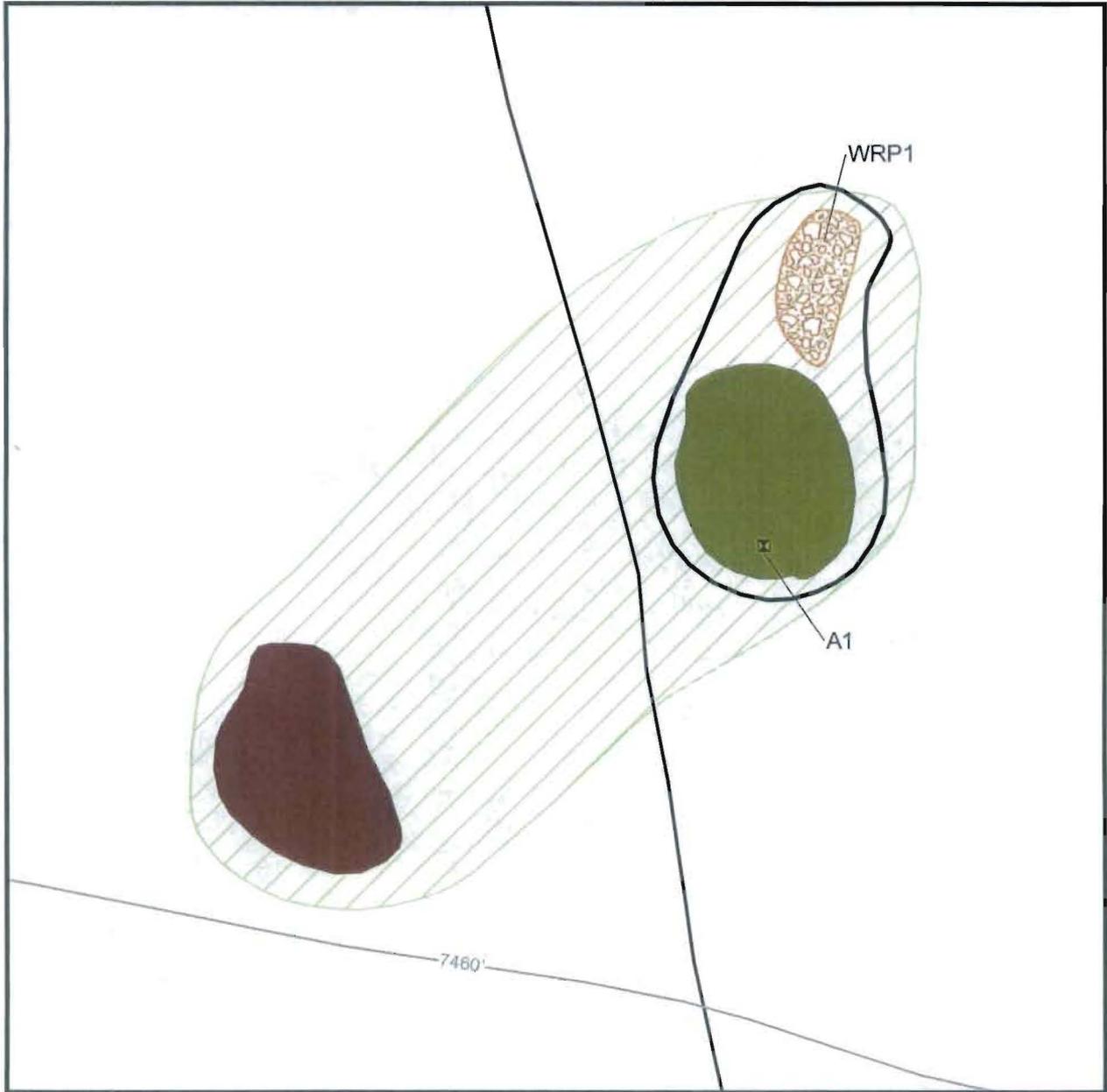


5SM6564. Sarvis No. 3 portal, facing southwest.



5SM6564. Sarvis No. 3, detail of stacked wall, looking northeast.

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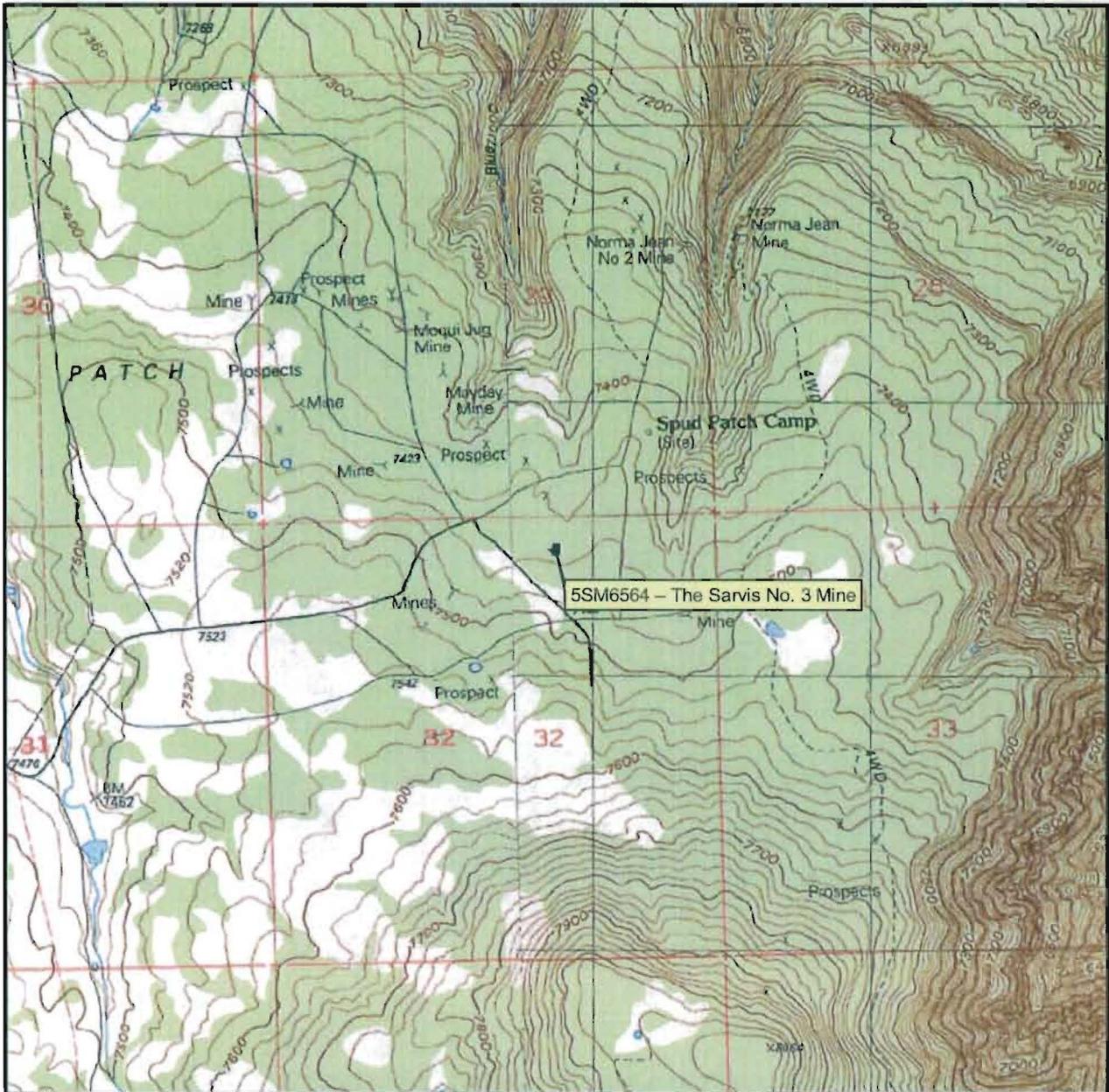


5SM6564 - The Sarvis No. 3 Mine

- | | | | | | | | |
|---|----------|---|--------------|--|------------------------------------|--|-----------------------|
| ⊠ | Adit (A) | — | Contour Line | | Trench (including waste-rock berm) | | Waste-rock Pile (WRP) |
| — | Road | | Dirt Pile | | Proposed Project Area | | |

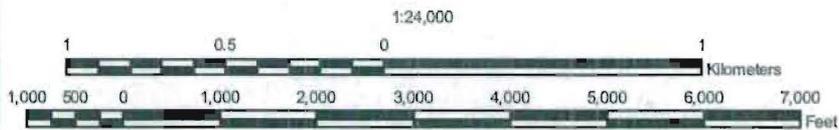


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Joe Davis Hill, CO
1988 (1993)
NM PM T43N R18W
San Miguel County

Documentation of Historic Mine
Features on U.S. Department of
Energy Uranium Lease Tracts in
Western Colorado: Phase 1, Slick
Rock Area, San Miguel County,
Colorado



Colorado



Department of Energy
Office of Legacy Management

June 15, 2009

OLM-SRS-2009-069

Mr. James Baughman, Chairman and CEO
U.S. Uranium Corporation
2186 South Holly Street, Suite 104
Denver, CO 80222

Subject: Annual Royalties for Mining Lease Numbers AT(05-1)-ML-60.8-C-SR-12 and C-LP-23

Dear Mr. Baughman:

In accordance with the Lease Agreements for U.S. Department of Energy (DOE) Lease Tracts C-SR-12 and C-LP-23, annual royalties in the aggregate amount of \$27,700 are due and payable to DOE on June 27, 2009. With reference to recent discussions, DOE has identified specific work scope (hazard mitigation and reclamation activities) that can be performed on various DOE lease tracts in lieu of a portion of these annual royalty payments. The DOE has determined the value of this work scope to be \$15,240. A copy of the specific work scope is enclosed for your review.

On the basis of your review, if U.S. Uranium Corporation (USUC) agrees to perform the work scope specified, please formalize your acceptance by signing in the space provided on the enclosure and returning that document to me. If accepted, please recognize that the balance of annual royalties due to DOE (\$12,460) must be paid by June 27, 2009. Project personnel will coordinate a schedule with you that will ensure the completion of these activities in 2009. Upon completion of all activities, USUC will be credited with the appropriate annual royalty payments.

If you choose to decline this option at this time, the entire annual royalty amount (\$27,700) is due and payable on June 27, 2009.

If you have questions concerning this matter, please contact me at (720) 377-9683.

Sincerely,

Steven R. Schiesswohl
2009.06.16 14:46:04
-06'00'

Steven R. Schiesswohl
Realty Officer

Enclosure

cc: Project File ULSCF 2.0 (E. Cotter)

Acknowledgment and Acceptance

U.S. Uranium Corporation hereby acknowledges the work scope, and its determined value (\$15,240), as referenced in the letter dated June 15, 2009. U.S. Uranium Corporation hereby agrees to perform the defined work scope in lieu of a portion of the annual royalty payments due for Lease Tracts C-SR-12, and C-LP-23 for the 2009-2010 lease year (aggregate sum of \$27,700). U.S. Uranium Corporation further acknowledges that the balance of annual royalties owed to DOE (\$12,460) is due and payable on or before June 27, 2009

Signature/Title

Date

USU Reclamation in-lieu-of Royalties - Estimated Costs

Description	Days on Job	4-day Weeks	Cost per Week	Total Cost
Equip. Operators	5	1.25	2,000	2500
Laborers	0	0	1,400	0
Trackhoe (320)	7	1.75	4,560	7980
Trackhoe (307)	0	0	3,600	0
Mini-Excavator	0	0	1,400	0
Dozer (D-8)	0	0	6,800	0
Dozer (D-6)	0	0	5,520	0
Dozer (D-4)	0	0	2,540	0
FE Loader (966)	4	1	3,120	3120
Backhoe (580)	0	0	2,640	0
Skidster Loader	0	0	1,680	0
Grader/Maintainer	0	0	3,120	0
Dump Truck (tdm)	2	0.5	2,880	1440
Dump Truck (rock)	0	0	0	0
Water Truck	0	0	2,880	0
Flatbed Trailer	0	0	700	0
Pickup (4X4)	0	0	1,920	0
Portable Welder	0	0	540	0
Oxy/Acet Torch Kit	0	0	540	0
Bat Gate Inst. (LS)	0	0		0
Seed Mix (LS)	0.5	0.5	300	150
PUF (Bulk)	0	0	2,000	0
PUF (Case)	1	1	50	50
Total Cost				15240

Contains Privileged Information

Do Not Release

May not be checked out or copied without approval from Ed Cotter or Marilyn Kastens

DOE Uranium Leasing Program

U.S. Uranium Corporation — Work Scope for Reclamation in-lieu-of Royalty

Background

During the fall of 2008, the U.S. Department of Energy Office of Legacy Management (DOE) redefined and realigned the boundaries of its uranium lease tracts to incorporate lands located inside its withdrawal boundaries that were valid claims at the time of the withdrawals but have since become invalid. As a result of those boundary redefinition/realignment activities, many of the current lease tracts now contain mining-related features that are associated with abandoned uranium mine sites located on those claims. By incorporating these lands into its lease tracts, DOE accepted the reclamation liability associated with those mining-related features.

Current Status

On January 6, 2009, DOE notified its leaseholders of the aforementioned mining-related features located on their respective lease tracts. Specifically, U.S. Uranium was notified of various features located on Lease Tracts C-SR-12 and C-LP-23. In that letter and during subsequent discussions, Energy Fuels Resources was offered two options. The first option was to incorporate one or more of the specific features into its respective lease operations, thereby accepting the reclamation liability associated with those features incorporated. For those features that were not accepted under the first option, U.S. Uranium was given the option to fully reclaim the features in-lieu-of some portion of its annual royalty payments. That work scope is outlined below.

Work Scope

C-SR-12:

The abandoned mine sites located on the former Sarvis Nos. 2 and 3 claims needs to be addressed. The portals shall be permanently closed with large boulders and rocks and then backfilled with available mine-waste-rock materials. The mine-waste-rock dumps shall be recontoured to blend in with the natural topography of the area. The area shall then be covered with other available surface soil materials, pocked, and reseeded with an approved seed mixture (approximately 0.3 acres).

The subsided mine portal located on the former Jupiter claim needs to be addressed. This subsidence shall be dug out and then refilled with available surface soil materials and reseeded with an approved seed mixture (less than 0.1 acres).

An open drill hole located on the west end of the former Sarvis No. 6 claim shall be permanently closed with polyurethane foam plugs and then covered with surface soil materials and reseeded with an approved seed mixture.

C-LP-23

The subsided mine portal located on the former LP-23 mine (Tract 1) needs to be addressed. This subsidence shall be dug out and then refilled with available surface soil materials and reseeded with an approved seed mixture (less than 0.1 acres).

ULP 029.07(B)

Two open vents located on or near the former Lexington claim (Tract 3) need to be addressed. The metal casings shall be terminated below grade and then the vents shaft shall be permanently closed with polyurethane foam plugs and then covered with surface soil materials and reseeded with an approved seed mixture.

Note: This work shall be performed to the satisfaction of the DOE Realty Officer and/or his LMS Contractor representatives from S.M. Stoller Corporation, who shall provide project oversight of the reclamation field activities.

Site Specific Storm Water Management Plan

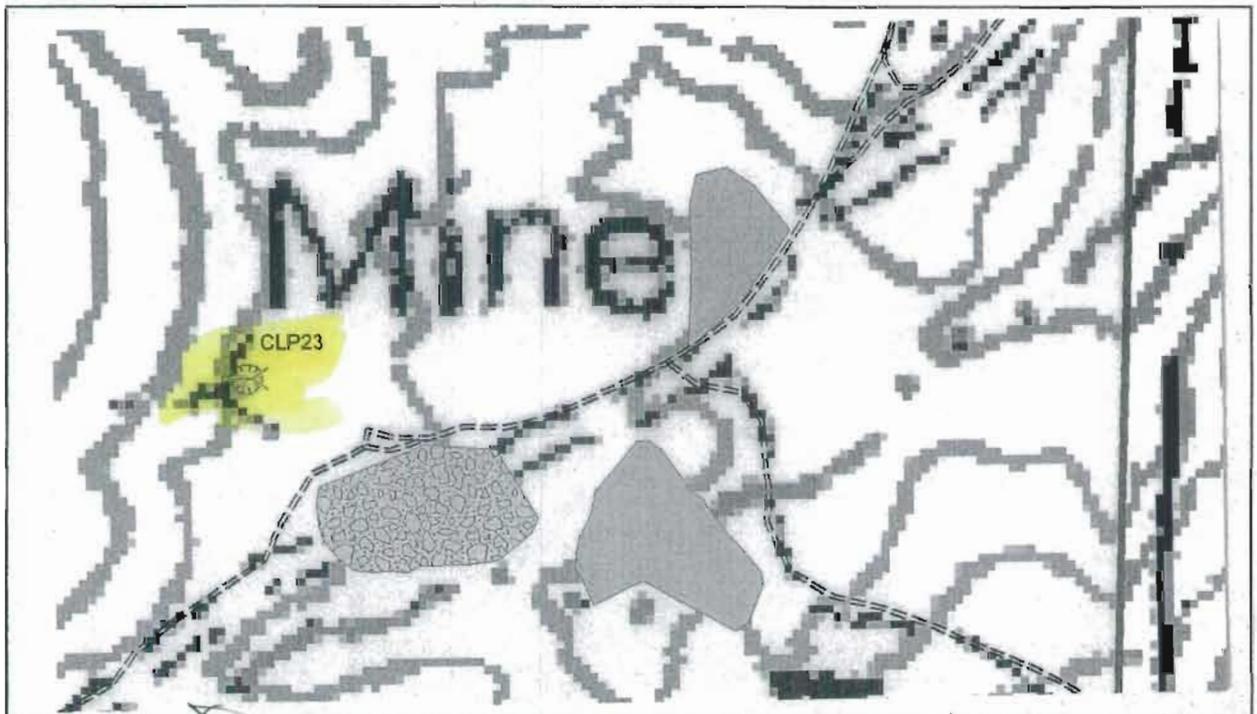
Lease Tract#: C-40-23 Site: Tract 1 Work Area: Long Park/Bitter Creek
Work Scope: Backfill subsided mine portal material from pond

Construction activities will be managed to minimize the volume of storm water entering the disturbed portion of the work area, contain and control the volume of storm water which falls within that area, and minimize the potential for the migration of soil/sediments.

The following engineering control measures have been selected as being applicable to the specific work area disturbance:

- Option #1:** Storm diversion will be accomplished by the installation of ditches, berms, or contouring to minimize the potential for erosion of the portion of the work area.
- Option #2:** Storm water containment/control will be accomplished within the disturbed portion of the work area by construction of catchment basins, including "pocking" of the recontoured materials.
- Option #3:** Migration of soil/sediments will be minimized by the installation of silt fences/barricades utilizing fabric or straw bales.
- Option #4:** Soil stabilization will be accomplished by seeding the disturbed portion of the work area to establish a viable, diverse stand of grasses, shrubs and forbs.
- Option #5:** No action required.

Site Sketch:



Signature: _____

Date: 5/26/09

Site Specific Storm Water Management Plan

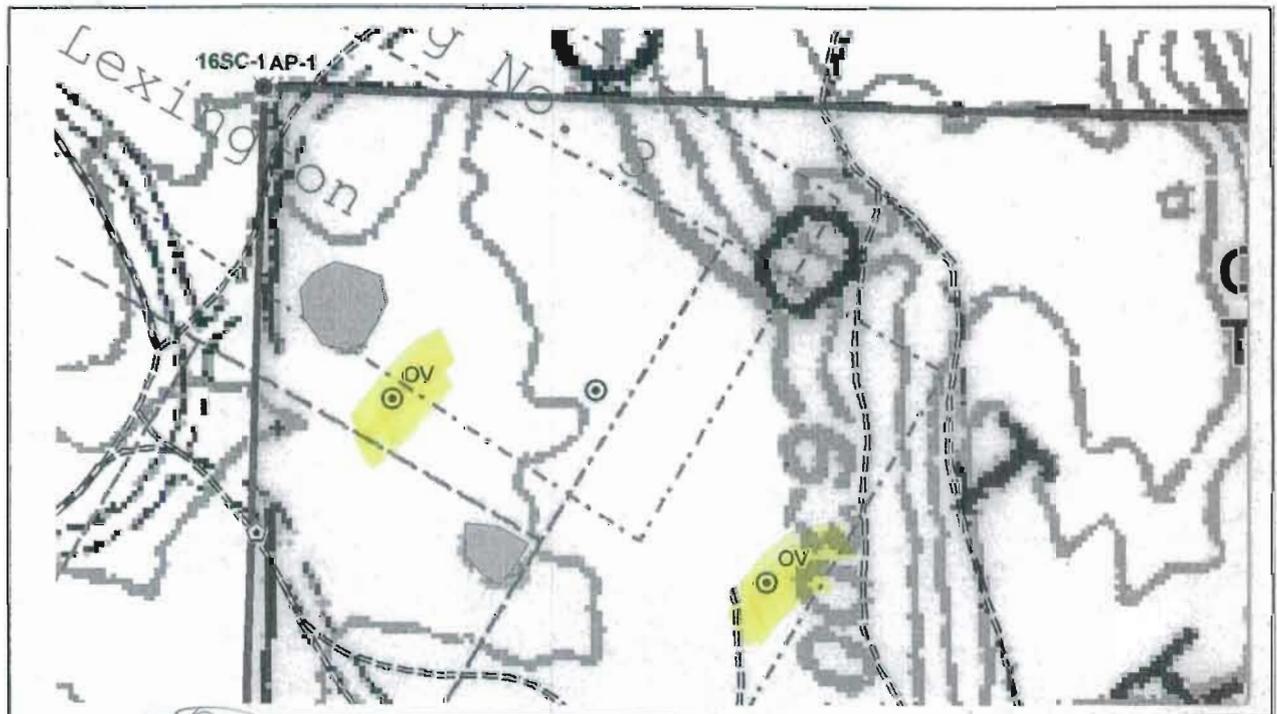
Lease Tract#: LQ-23 Site: TRACT 3 Work Area: Long Park/Bitter Creek
Work Scope: Close 2 VENTS w/ PUF and soil

Construction activities will be managed to minimize the volume of storm water entering the disturbed portion of the work area, contain and control the volume of storm water which falls within that area, and minimize the potential for the migration of soil/sediments.

The following engineering control measures have been selected as being applicable to the specific work area disturbance:

- Option #1: Storm diversion will be accomplished by the installation of ditches, berms, or contouring to minimize the potential for erosion of the portion of the work area.
- Option #2: Storm water containment/control will be accomplished within the disturbed portion of the work area by construction of catchment basins, including "pocking" of the recontoured materials.
- Option #3: Migration of soil/sediments will be minimized by the installation of silt fences/barricades utilizing fabric or straw bales.
- Option #4: Soil stabilization will be accomplished by seeding the disturbed portion of the work area to establish a viable, diverse stand of grasses, shrubs and forbs.
- Option #5: No action required. *Other than Seed*

Site Sketch:



Signature: *[Signature]* Date: 5/26/09

**U.S. Department of Energy
Office of Legacy Management
National Environmental Policy Act – Environmental Checklist**

Project/Activity Title Reclamation Projects on Paradox Lease Tracts 1 and 3 of C-LP-23	NEPA ID Number LM 28-09	Date September 10, 2009
LM Site Name Uranium Leasing Program, CO	LM Site Program Reuse and Property Management	
Contractor NEPA Coordinator Sandra Beranich	Signature <i>Sandra Beranich</i> 9-10-09	
Contractor Task Manager Ed Cotter	Signature <i>Ed Cotter</i> 9/10/09	
DOE Project Manager Steven Schiesswohl	Signature <i>Steven R. Schiesswohl</i> Steven R. Schiesswohl Rocky Flats 2009.09.10 16:08:41 -06'00'	

A. Brief Project/Activity Description:

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) proposes to reclaim a subsided mine portal on Tract 1 of C-LP-23 and two open vents on or near Tract 3 of C-LP-23 (the former Lexington Claim). Independent contractors associated with the lessee would complete the work, and all projects would be completed within 2 days. C-LP-23 is north of Paradox Valley and between Paradox Creek and the San Miguel River in Montrose County.

The subsided mine portal on Tract 1 would be dug out, refilled with available surface soil materials, and reseeded with an approved seed mixture. This action would disturb less than 0.1 acre.

The two open vents on Tract 3 would be permanently closed and the area reclaimed. Heavy equipment would be used to remove soils adjacent to the casings in order to access them. The metal casings would be crushed several feet below grade. To ensure a permanent seal, a layer of polyurethane foam would be sprayed over the crushed casing, and surface soil materials would be used to cover the area. An approved seed mixture would be applied to complete the reclamation.

B. Environmental Concerns:

If the proposed action could affect human health and the environment, the "yes" column is checked, and an explanation of the degree, type, and magnitude of the physical, chemical, and radiological sources of impacts is given below. Additional description or explanation is provided on attached sheets as necessary.

Element	Yes	No	Element	Yes	No
Air emissions/air quality	X		Exposure/impacts to public or workers		X
Noise	X		Need for public awareness/involvement		X
Solid waste generation		X	Transportation/traffic control required		X
Mixed waste management		X	Access to/use of DOE property		X
Chemical storage on site		X	Visual resources impacted		X
Pesticide/herbicide use		X	Cultural/arch resources present		X
Toxic substances management		X	Wetland/floodplain impacted		X
Regulated quantities of petroleum used or stored on site		X	Protected species present: Federal, State, or Tribe listed		X
Radioactive materials/soils		X	Migratory birds breeding or nesting		X
Surface (ground) disturbance	X		Wild/scenic rivers impacted		X
Surface water use/contamination		X	Prime/unique farmlands present		X

Element	Yes	No	Element	Yes	No
Surface water quality		X	Groundwater use/contamination		X
Groundwater quality affected		X	Other Considerations?		X

C. Explanation and Qualification of All "Yes" Responses:

Air emissions/air quality: Use of heavy equipment to move materials would result in minor and temporary amounts of fugitive dust being present during the duration of the proposed actions.

Noise: Noise levels would be temporarily elevated while heavy equipment is being used.

Surface (ground) disturbance: Reclaiming the subsided mine portal and open vents would result in minor surface disturbance of approximately 0.1 acre. The long-term result would be to improve surface site conditions, which would be considered a benefit to the environment.

D. Recommendation:

The proposed action to complete various reclamation activities related to past mining activities would be considered categorically excluded from further environmental evaluation under Title 10 *Code of Federal Regulations* Part 1021, Appendix B to Subpart D, B1.3(k), "Erosion control and soil stabilization measures (such as reseeding and revegetation)."

Meets Criteria Does Not Meet Criteria Unsure

E. NEPA Determination:

I have reviewed the scope of actions proposed under Section A of this Environmental Checklist, and the information relevant to the potential for environmental impacts in Section B, and determined the following:

The proposed actions meet the criteria for categorical exclusion.

The proposed actions do not meet the criteria for categorical exclusion; therefore, I recommend that the LM NEPA Planning Board be convened based on my recommendation (see attached rationale) to complete:

- () an Interim Action () an Environmental Assessment
- () an Environmental Impact Statement () a Supplemental Analysis

Richard B. Bush
LM NEPA Compliance Officer

9/29/09
Date

Distribution upon signature:

- R. Bush, LM NEPA Compliance officer
- S. Schiesswohl, DOE Project Manager
- S. Beranich, Stoller NEPA Coordinator
- S. Osborn, Stoller Compliance Manager
- rc-grand.junction (B. Cotter)

Cotter, Ed

From: Burns, Dan
Sent: Monday, October 26, 2009 6:57 AM
To: Cotter, Ed; Kastens, Marilyn; Turley, Kyle
Subject: FW: notice to procede

Dan L. Burns
Field Operations Manager
Uranium Leasing Program
dan.burns@lm.doe.gov
Off: (970)248-6317
Cell: (970) 250-6268

-----Original Message-----

From: glade_hadden@blm.gov [mailto:glade_hadden@blm.gov]
Sent: Sunday, October 25, 2009 12:29 PM
To: Burns, Dan
Subject: notice to procede

Dan
This should serve as a notice to begin work on sites LP-23, JD-5 and JD-6.
Sorry for the delay - let me know if there is anything else you need.

Glade Hadden
Archaeologist
Uncompahgre Field Office

Cotter, Ed

From: Sheader, Linda
Sent: Friday, October 16, 2009 10:48 AM
To: Cotter, Ed; Kastens, Marilyn; Burns, Dan; Turley, Kyle; Beranich, Sandy
Subject: Inspection of proposed reclamation areas on lease tracts

Hi All,

Yesterday, I inspected several lease tracts with Ed and Marilyn to determine whether there were any potential ecology issues related to the proposed reclamation work. We inspected areas to be disturbed at the following locations:

- 1) C-LP-21: Abandoned mine site at Vanadium King No. 5 and subsided shaft on Long Park No. 16
- 2) C-LP-22: Two abandoned mine sites at Donald C Claim; abandoned site and 6 vents at First National Bank claim
- 3) C-SR-22A: Hidden Basin mine site; subsided portal at TNT-1; 7 vents; and open drill hole
- 4) C-LP-23: subsided portal on LP-23 mine; two open vents at Lexington claim

Time did not allow inspection of features on C-AM-19A, C-AM-20, C-JD-5 or C-JD-6. Of these, only C-AM-19A would still need to be visited because C-JD-5 and C-JD-6 only involve filling small drill holes, and C-AM-20 only involves welding a grate over a mine opening.

No evidence of threatened, endangered, candidate, or sensitive plant species was found at any of the areas proposed to be disturbed. I have two recommendations related to the proposed work:

1) Bat surveys are recommended before disturbing any open shafts or tunnels to prevent adverse impacts to bat species. I recommend that a bat expert be consulted to determine which, if any, open portals (including some of the subsided portals) provide potential habitat for bats. Before filling the openings, protocols for tarping should be followed to displace any bats occupying the shaft or tunnel. The small portal at the Donald C claim could be investigated as a possible place to install bat gates rather than filling the portal. Sandy would be the best person to coordinate wildlife actions related to this work.

2) Most of the proposed disturbance related to reclaiming waste rock piles would only affect mid-seral plant communities, containing mostly reclamation species. However, the toe of the rock pile at the First National Bank claim is located within high quality late-seral pinon-juniper forest. The forest contains a diversity of species including fishhook cactus (not the endangered hookless variety) and very old juniper trees. Disturbance to rabbitbrush and sagebrush communities up-slope and to the side of the pile would be preferable to disturbing the pinon-juniper woodland. If at all possible, it would be best to work from the top of the pile and to leave the toe undisturbed except to place soils and seed over the slope from above.

Please let me know if you have any questions or concerns, and the next time anyone is visiting Lease Tract 19A, I would like to come along if possible to inspect the mine adit at the south end of the Dolores claim.

Thanks much!

Linda



Department of Energy
Office of Legacy Management

September 23, 2009

OLM-LEK-2009-134

Mr. Glade Hadden, Archaeologist
U.S. Bureau of Land Management
Uncompahgre Field Office
2505 South Townsend Avenue
Montrose, CO 81401

Subject: Resubmission of DOE's Reclamation Proposal Concerning Abandoned Mine Features in the Uravan and Long Park Areas, Montrose County

Dear Mr. Hadden:

The U.S. Department of Energy Office of Legacy Management (DOE) is resubmitting a proposal to reclaim and mitigate hazards at numerous abandoned mine sites on DOE's uranium lease tracts in Montrose County. Please refer to the previously submitted cultural report, entitled *Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 2, Uravan/Long Park Area, Montrose County, Colorado*. The enclosed Table 1 lists the 27 mine site features that are proposed to be reclaimed and identifies the cultural site number and eligibility recommendation for each feature. Of the 27 mine site features, 14 are recommended as ineligible for inclusion in the National Register of Historic Places, and 13 are considered isolated finds. Topographic maps showing locations of the cultural resource sites are on pages A-1 through A-3 of the Class III cultural resource inventory. Please review the inventory report and let us know if you have cultural resource management concerns and concur with our recommendations of eligibility.

If you have specific questions or comments, please contact my contractor staff, Ed Cotter, at (970) 248-6056 (Ed.Cotter@lm.doe.gov). If you have general questions about the uranium leasing program, please contact me at (720) 880-5338 (Laura.Kilpatrick@lm.doe.gov). Thank you for your review and consideration of our proposed mine site reclamation activities.

Sincerely

2009.09.24
20:24:55 -06'00'

Laura E. Kilpatrick
Realty Officer

Mr. Glade Hadden

-2-

Enclosure (Table 1)

cc w/enclosure:

S. Schiesswohl, DOE (e)

E. Cotter, Stoller (e)

M. Kastens, Stoller (e)

Project File (E. Cotter)

Table 1. Abandoned Mine Site Features Proposed for Reclamation and Cultural Resource Identification

Name/Location	Mine Feature and Proposed Reclamation	Cultural Resource Identification and Recommendation
Dolores Mine, C-AM-19A T43N R19W Sec19 SWSE	Open adit will be closed with a polyurethane foam bulkhead	Site 5MN9235, recommended Not Eligible to National Register of Historic Places (NRHP)
Abajo No. 3 Mine, C-AM-19A	A subsided vent shaft will be backfilled with soil material and seeded	Site 5MN9252, considered Isolated Find (IF)
Town House Mine, C-AM-20 T48N R17W Sec20 SWSE	Open vent shaft will be closed with polyurethane foam plug, covered with soil, and seeded	Site 5MN9236, recommended Not Eligible to NRHP
Vanadium King No. 5 Mine, C-LP-21 T47N R17W Sec22 SESW and SWSW	Three open vent shafts will be closed with polyurethane foam plug, covered with soil, and seeded	Sites 5MN9238, 5MN9239, recommended Not Eligible to NRHP; 5MN9253, considered IF
First National Bank Mine, C-LP-22 T47N R17W Sec21 SWSE and SESW	Open mine shaft will be closed with available mine-waste-rock materials; mine-waste-rock dump will be recontoured to blend in with surrounding topography and seeded; three open vent shafts will be closed with polyurethane foam plugs, covered with soil, and seeded	Site 5MN9240, recommended Not Eligible to NRHP; Sites 5MN9256, 5MN9257, and 5MN9258 considered IFs
Cripple Creek Mines, C-LP-22 T47N R17W Sec 28 NENW and Sec21 SESW	Three open vent shafts will be closed with polyurethane foam plugs, covered with soil, and seeded	Sites 5MN9241 and 5MN9242, recommended Not Eligible to NRHP; Site 5MN9254, considered IF
Second National Bank Mine, C-LP-22 T47N R17W Sec 28 NWNE	Open vent shaft will be closed with polyurethane foam plug, covered with soil, and seeded	Site 5MN9255, considered IF
Hidden Basin Mine, C-LP-22A T47N R17W Sec21 NWNW, Sec16 SWSW, and Sec17 SESE	Eight open vent shafts will be closed with polyurethane foam plugs, covered with soil, and seeded	Sites 5MN9245, 5MN9246, 5MN9247, 5MN9248, and 5MN9249, recommended Not Eligible to NRHP; Sites 5MN9259, 5MN9260, and 5MN9261, considered IFs
TNT No. 1 Mine, C-LP-22A T47N R17W Sec21 NWSW	The subsided mine portal will be backfilled with available soil material and reseeded	Site 5MN9262, considered IF
TNT No. 2 Mine, C-LP-22A T47N R17W Sec21 NESW	Open mine portal will be backfilled with available mine-waste-rock materials; mine-waste-rock dump will be recontoured to blend in with surrounding topography and seeded	Site 5MN9250, recommended Not Eligible to NRHP
LP-23 Mine, C-LP-23 (Tract 1) T46N R17W Sec1 NWNE	The subsided mine portal will be backfilled with available soil material and reseeded	Site 5MN9263, considered IF
Lexington Mine, C-LP-23 T46N R17W Sec1 SWSE	Two open vent shafts will be closed with polyurethane foam plugs, covered with soil, and seeded	Site 5MN9251, recommended Not Eligible to NRHP; Site 5MN9264, considered IF

Meeting/Teleconference Record

Date: 9/21/09

To: Ed Cotter

From: Marilyn Kastens

Subject: Cultural Clearance for Conducting Abandoned Mine Reclamation on Uranium Lease Tracts in Montrose County (Uravan/Long Park Area)

Persons Present/Contacted:

Name	Company/Agency	Telephone Number/Extension
Glade Hadden BLM Archaeologist	BLM, Uncompahgre Field Office	970-240-5303
Marilyn Kastens Cultural Resource Coordinator	SM Stoller Corp.	X6781

Issue: Cultural Clearance for Abandoned Mine Land Reclamation—

DOE submitted the report, *Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 2, Uravan/Long Park Area, Montrose County, Colorado* to Glade Hadden (BLM archaeologist) on August 25, 2009, requesting his concurrence in DOE's proposal to conduct additional "Level II" archival documentation of five mine site properties that are considered eligible for inclusion in the National Register of Historic Places. DOE would like to conduct the additional documentation as mitigation for reclaiming hazardous mine site features and, through this work, destroying the integrity of these historic mine sites. Glade stated that he was going to have to consult with the State Historic Preservation Officer (SHPO) about DOE's proposal. He mentioned that he had talked to Dan Corson with the SHPO's office (Intergovernmental Services Director) about DOE's proposal and although Dan couldn't make a verbal determination, Glade got the impression that the SHPO's office would not concur with DOE's mitigation proposal. He had a suspicion that if DOE pursued the Level II archival documentation, then SHPO may not concur; SHPO may be more interested in preserving the mine sites. Glade recommended that we re-submit our "Determination" letter of 8/25/09 to him and address the 14 non-eligible cultural sites in one letter and address the 5 eligible mine sites in a second letter, as the latter is going to require consultation and will take time to work through the system. We have two main options concerning the 5 eligible mine sites:

Option 1: Continue on our present course and propose that a Level II archival documentation be prepared as mitigation. Glade recommended that if we went this route, we should get a detailed proposal from Alpine Archaeology concerning the Level II documentation process. Glade would present this proposal to SHPO and they would either concur or not concur. If SHPO concurs, DOE might need to prepare a Memorandum of Agreement that outlines the agreed-upon mitigation. If SHPO does not concur, then DOE/BLM would take the proposal to the regional Advisory Council on Historic Preservation (ACHP), who would review the proposal. ACHP would formally file their comments on the issue. DOE is then free to make its own decision and proceed accordingly. The ACHP comments are NOT binding; DOE would have the final say. This process would take a minimum of 60 days and could take up to 6 months to complete.

Option 2: Relook at our reclamation process and determine if we can mitigate safety hazards and maintain the integrity of eligible, historic mine site features such as ore bins, hoist houses, collapsed shed structures, waste rock dumps, residential trash dumps, etc. If we think we can do this, re-submit the "Determination" letter to BLM and describe how we will preserve historic features during mine site reclamation. During mine site reclamation, an archaeological monitor would need to be present on site to formally document that features are preserved in their historical context.

Follow Up Action Required: ULP personnel need to determine a course of action (Option 1 or 2).

Affect Scope/Schedule or Budget: YES NO **Explanation:** Under Option 1, it is unlikely that reclamation activities could occur at the 5 eligible mine sites before April 30, 2010. Under Option 2, revised reclamation methods could possibly be implemented before April 30, 2010.

Contains Privileged Information – Do Not Release

BLM Project Authorization No. 09UN09

DOCUMENTATION OF FOURTEEN HISTORIC MINE FEATURES AND
THIRTEEN ISOLATED FINDS ON
U.S. DEPARTMENT OF ENERGY
URANIUM LEASE TRACTS IN WESTERN COLORADO:
PHASE 2, URAVAN/LONG PARK AREA, MONTROSE COUNTY, COLORADO

by

Summer Moore-McMillan
Project Director

Under the direction of

Jonathon C. Horn
Principal Investigator

Alpine Archaeological Consultants, Inc.
P.O. Box 2075
Montrose, Colorado 81402
(970) 249-6761

Prepared for

S. M. Stoller Corporation
2597 B ¼ Road
Grand Junction, CO 81503
Contract GS-10F-0004S, Purchase Order #0000004277

Under the provisions of
Colorado BLM Cultural Resource Use Permit No. C-46920 .

October 2009



ALPINE ARCHAEOLOGICAL CONSULTANTS, INC.

INTRODUCTION

S.M. Stoller Corporation (Stoller), the Legacy Management Support Contractor for the U.S. Department of Energy Office of Legacy Management (DOE) in Grand Junction, Colorado, is proposing to reclaim and mitigate hazards at numerous abandoned mine sites on DOE's uranium lease tracts in San Miguel, Montrose, and Mesa counties. The abandoned mine features, which include open portals, subsided vent shafts, and unreclaimed waste rock dumps, are located at approximately 38 separate project areas within 14 DOE lease tracts. The surface of DOE's lease tracts are managed by the Bureau of Land Management's (BLM's) Dolores, Uncompahgre, and Grand Junction field offices; DOE manages the minerals for uranium exploration and production. In order to comply with historic preservation obligations outlined in Section 106 of the National Historic Preservation Act (NHPA; 16 USC 470) and the National Environmental Policy Act (NEPA; 42 USC 4321), Stoller hired Alpine Archaeological Consultants, Inc. (Alpine) to conduct a Class III cultural resources inventory of the proposed project areas. This project falls under Contract GS-10F-0004S and Purchase Order #0000004277.

In order to facilitate the Section 106 consultation process with the three BLM offices, Stoller chose to divide the cultural resources inventory into three separate phases—consisting of groups of project areas in the Slick Rock, Uravan/Long Park, and Gateway areas—that will be reported separately. Each phase of the cultural resource inventory consists of several project areas on multiple lease tracts that have been grouped together based on geographic proximity and BLM field office. Eleven project areas in six lease tracts for the Uravan/Long Park phase of the project are reported herein.

Project work for the Uravan/Long Park phase of the cultural resource inventory was conducted between July 20 and 23, 2009, by Summer Moore-McMillan and Martha Bright of Alpine. The field crew was accompanied in the field by Stoller's reclamation supervisor, Dan Burns, who escorted the crew to each of the project areas and provided details about DOE's proposed reclamation activities. Summer Moore-McMillan served as field director, and Jonathon Horn served as Principal Investigator. The work was conducted under the provisions of Colorado BLM Cultural Resource Use Permit No. C-46920, which expires February 27, 2010, BLM Project Authorization No. 09UN09. No artifacts were collected during the inventory; field notes and photographs from the survey are on file at Alpine's office in Montrose, Colorado.

LOCATION AND ENVIRONMENTAL SETTING

The Phase 2 project areas reported here are near Uravan, Colorado, in western Montrose County. Legal locations of the project areas are presented below in Table 1. The locations of the project areas are shown in Figure 1 through Figure 4. The topography is typical of the northern Colorado Plateau, with moderately high elevations and extensive exposures of nearly horizontal sedimentary rock formations. The occurrence of significant deposits of carnotite ore in west-central Colorado is due to the presence of what has been termed the "Uravan Mineral Belt." The Uravan Mineral Belt is a large "C"-shaped area stretching across much of west-central Colorado, in which exposures of sandstones from the Salt Wash Member of the Morrison formation have been shown to contain extensive deposits of uranium and vanadium ore (Chenoweth 1993). The present project, including all three phases of work in areas around Slick Rock, Uravan/Long Park, and Gateway, Colorado, falls entirely within the area known as the Uravan Mineral Belt. Elevations within the project areas range from approximately 5,560 to 6,580 ft. (1,695 to 2,006 m). The topography is dominated by mesas and deeply entrenched canyons. Vegetation within the project tracts is dominated by pinyon and juniper with an understory of big sagebrush.

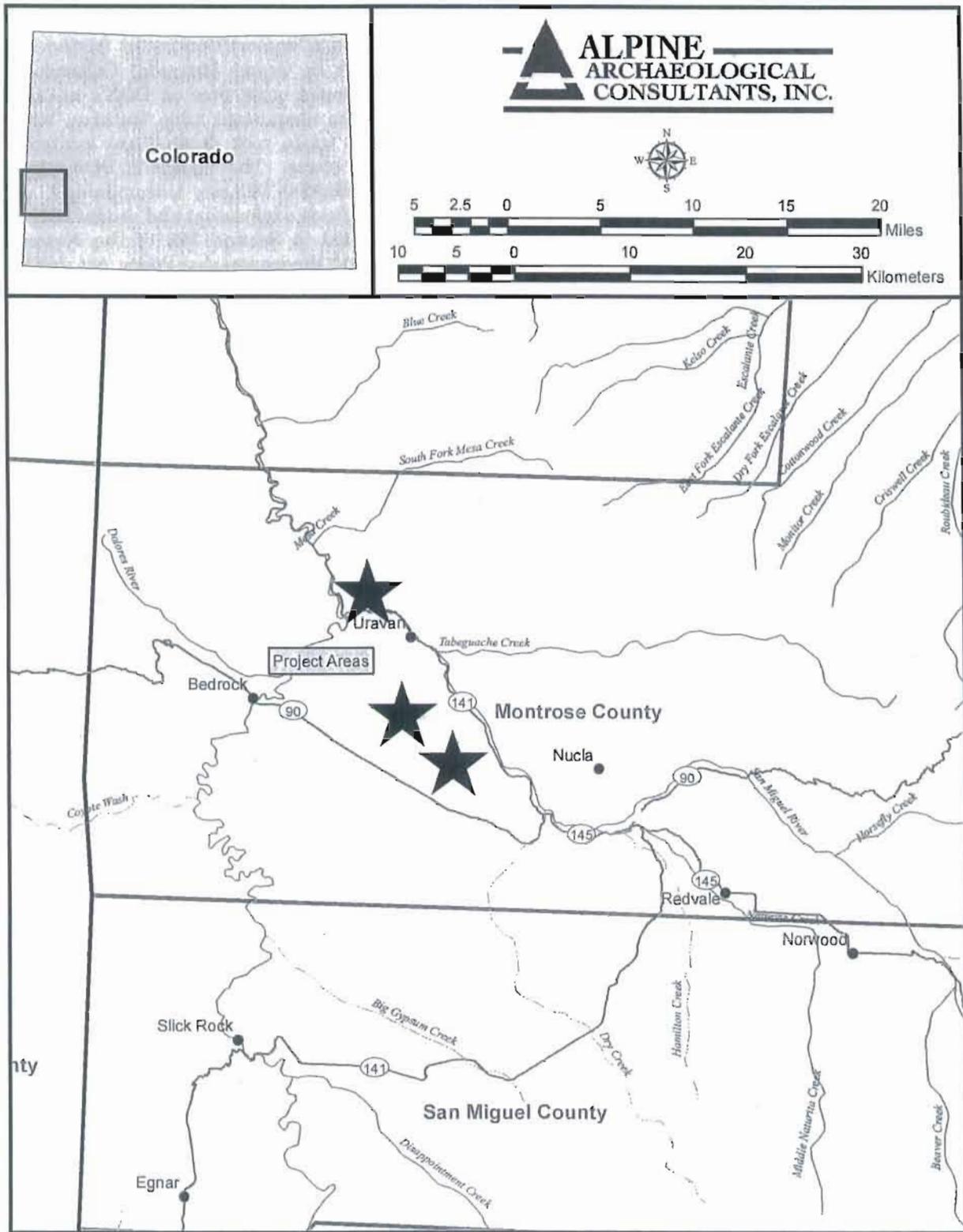


Figure 1. General location of Phase 2 project areas.

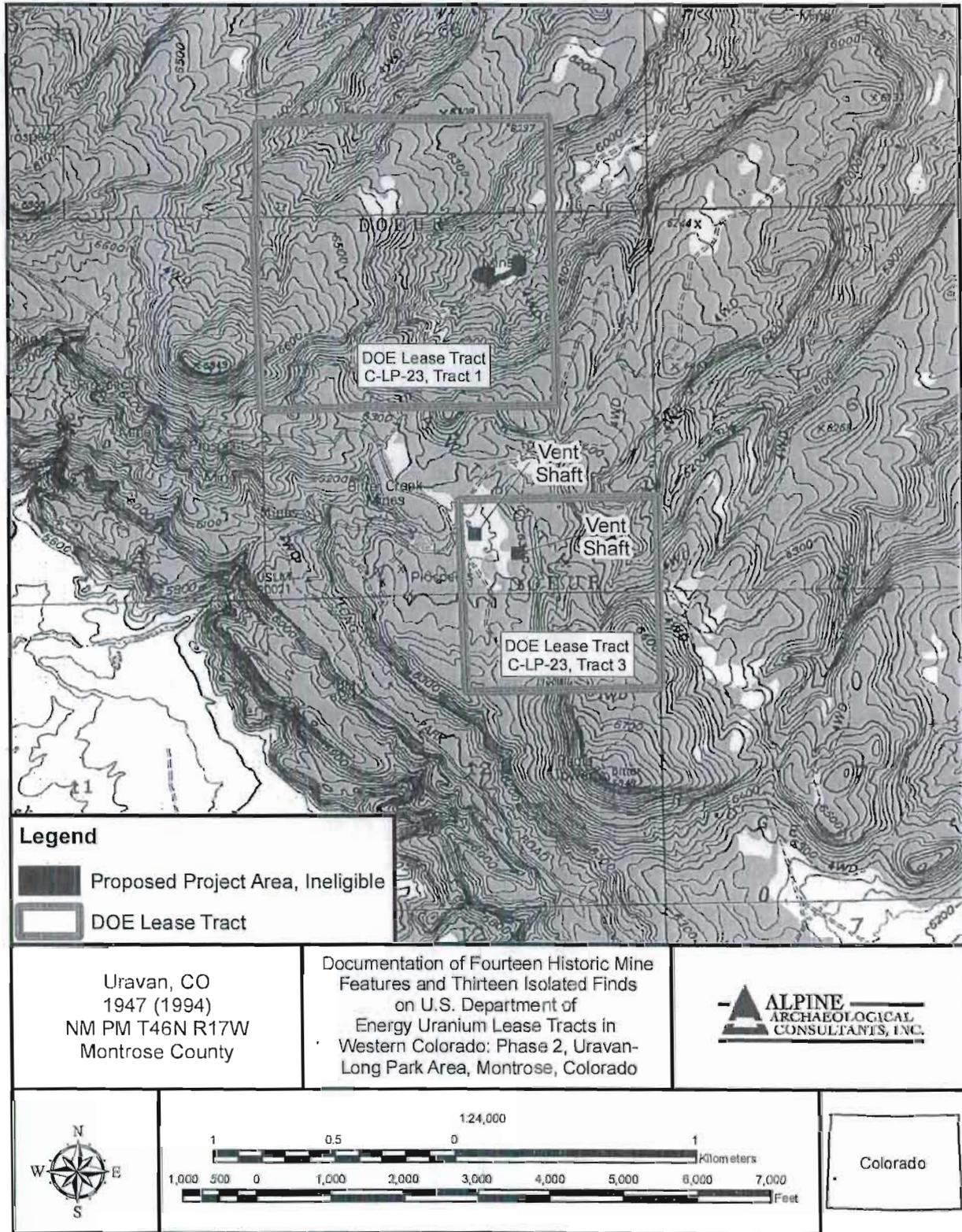


Figure 4. Locations of Phase 2 project areas in Lease Tract C-LP-23.

Table 1. Locations of Phase 2 Project Work.

Lease Tract No.	Project Area	Claim Name	Proposed Activities	Legal Location (New Mexico PM)	Project Area Acreage	Recorded Cultural Resources
C-AM-19A	20	Dolores	Closure of adit	T 43N, R 19W, Section 19, SW, SE	0.07	5MN9235†
	21	Abajo No. 3	Backfilling of subsided vent shaft	T 43N, R 19W, Section 19, SE, SE	<0.00	5MN9252*
C-AM-20	41	Town House	Closure of vent	T 48N, R 17W, Section 20, SW, SE	0.02	5MN9236
C-LP-21	22	Vanadium King No. 5	Closure of three vents	T 47N, R 17W, Section 22, NW, SW and SW, SW	0.08	5MN9238 5MN9239 5MN9253*
C-LP-22	24	Cripple Creek	Closure of two vents	T 47N, R 17W, Section 21, SE, SW	0.05	5MN9241 5MN9242
	25	First National Bank; Second National Bank	Backfilling of shaft, burning of timbers and debris, recontouring of waste-rock dump, closure of 10 vents in the vicinity	T 47, R 17W, Section 21, SE, SW	1.57	5MN9240 5MN9254* 5MN9255* 5MN9256* 5MN9257* 5MN9258*
C-SR-22A	26	Hidden Basin	Closure of eight vents	T 47N, R 17W, Section 16, SW, SW	0.11	5MN9245 5MN9246 5MN9247 5MN9248 5MN9249 5MN9259* 5MN9260* 5MN9261*
	27	TNT No. 1	Backfilling of mine portal subsidence	T 47N, R 17W, Section 21, NW, SW	0.02	MN9262*
	42	TNT No. 2	Backfilling of mine portal subsidence	T 47N, R 17 W, Section 21, NE, SW	0.08	5MN9250
C-LP-23	28	LP-23 (Tract 1)	Backfilling of mine portal subsidence	T 46N, R 17W, Section 1, NW, NE	3.49	5MN9263*
	29	Lexington (Tract 3)	Closure of two vents	T 46N, R 17W, Section 1, SW, SE	0.12	5MN9251 5MN9264*

† Site 5MN9235 extends onto private land; all other cultural resources are on land managed by the BLM-UFO. * Isolated finds.

HISTORICAL CONTEXT OF THE PROJECT AREA

As the Statement of Work (SOW) for this project specified that no prehistoric sites would be recorded, a discussion of only the Historic period within the project area is provided below. The first European people to enter the project area were Spanish explorers. Juan de Rivera led an expedition through the heart of the project area in 1765, in search of mineral wealth. In 1776, the Escalante-Dominguez Expedition passed through western Colorado in search of a route between Santa Fe and missions in California. As a result of these forays, the northern branch of the Old Spanish Trail was established through western Colorado. This served as an early Spanish trade route from Santa Fe by way of the San Luis Valley and was subsequently used by fur trappers, explorers, and as a connection to the Mormon settlements in the Uinta Valley of Utah as the Salt Lake Wagon Road.

Exploitation of the project area's natural resources by Euroamericans began in the 1820s with the arrival of fur trappers. One fur trader, James Pattie, traveled through western Colorado in 1826, following a route along the Colorado River near present-day Grand Junction. Another trapper, Antoine Roubideau, established a trading post west of Delta, Colorado, in 1828. The fort was destroyed in 1844, and knowledge of the fort's exact location is presently unknown. The fur industry

PREVIOUS WORK AND EXPECTED RESULTS

Table 2 shows previously conducted cultural resource inventories separated by lease tract, as described in Reed (2006). Only two projects, two recent historic mine documentation projects by Twitty (2006; 2008b), actually overlap the present project area.

Multiple prehistoric and historic sites have been recorded within the lease tracts grouped into the Uravan/Long Park phase of this project. Twelve sites within the Uravan/Long Park uranium lease tracts are eligible for, or are potentially eligible for, inclusion on the NRHP. These include sites that have been officially determined to be NRHP-eligible by federal or state agencies, that have been recommended as eligible by site recorders but not formally evaluated by the agencies, and sites that are classified by either the agencies or the recorders as "need data." The "need data" sites consist of those that were not assessed for eligibility by either the agencies or the recorders and those that cannot be tenably evaluated because an understanding of key site attributes associated with site significance is lacking. None of the sites in the project tracts is actually listed on the NRHP. Table 3 lists eligible or potentially eligible sites by lease tract number.

Only four previously recorded cultural resource sites have been identified within the proposed Uravan/Long Park project areas. These sites were recorded during two recent historic mine documentation projects by Twitty (2006; 2008b). They include the Hidden Basin Mine (5MN7866), the Long Park No. 1 Mine (5MN8145), Shaft No. 1 at the Cripple Creek Mine (5MN8171), and Shaft No. 2 at the Cripple Creek Mine (5MN8172).

DOE and BLM archaeologists previously determined that it was not necessary to inventory for prehistoric sites within each of the small project areas, all of which fell within the historic footprint of known mining operations. Consequently, the Alpine crew went into the field prepared to document each of the historic uranium mining locations slated for reclamation activities, as well as to evaluate the effects of proposed project activities on each of these properties.

Table 2. Previously Conducted Cultural Resource Inventories by Phase 2 Lease Tract.

Lease Tract No.	Reference	Document ID	Project Description	Area Surveyed (Acres)
C-AM-19A	Scott 1979	MN.LM.NR43	TV reflector	4.7
	Botsford 2001	MC.LM.R228	Grazing allotment	83.6
	Conner and Davenport 2001	MN.LM.R88	Vegetation treatment	120.8
C-LP-21	Copeland 1980	UNRA-80UN060	Seismic lines	9.4
	Rupp 1984	UNRA-84UB008	Drilling program	0.7
	Lewis 1989	MN.LM.NR125	Drill holes	0.0
	Lewis 1996	MN.LM.NR177	Uranium lease	1.9
	Lewis 1997	MN.LM.NR215	Drill holes and road	0.3
	Hurt and Seymour 2001	MC.LM.R310	Seismic lines	26.7
	Unknown	UNRA-96122	Unknown	47.7
C-LP-22	Copeland 1980	UNRA-80UN060	Seismic lines	0.2
	Rupp 1984	UNRA-84UB008	Drilling program	29.0
	Lewis 1989	MN.LM.NR125	Drill holes	0.1
	Hurt and Seymour 2001	MC.LM.R310	Seismic lines	10.2
C-SR-22A	Copeland 1980	UNRA-80UN060	Seismic lines	10.7
	Lazorchak 2000	MN.LM.NR342	Grazing allotment	8.5
	Hurt and Seymour 2001	MC.LM.R310	Seismic lines	11.4
C-LP-23	Copeland 1980	UNRA-80UN060	Seismic lines	13.4
	Duke 1982	MN.LM.NR240	Seismic lines	2.2
	Harden 1998	MN.LM.R70	Seismic lines	0.9
	Hurt and Seymour 2001	MC.LM.R310	Seismic lines	13.8
	Scott 2003	MN.LM.R126	Well pads and access roads	3.0

Twitty's (2008a) significance criteria focusing on architectural, engineering, and archaeological integrity, as nearly all physical remains save the loading dock wall have been removed, and no structures are present. The method of operation of the TNT No. 2 was likely very simple, consisting of wheelbarrow haulage, such that it left limited physical remains. The mine is quite remote and, as such, does not comprise a visible feature of the mining landscape. Consequently, Alpine recommends the TNT No. 2 Mine as not eligible for the NRHP.

Potential Project Impacts

The TNT No. 2 Mine is proposed for reclamation. All trash and debris will be gathered and placed in the inclined trench prior to closure. The inclined portal will then be backfilled with available mine waste-rock materials. The mine waste-rock dump will be recontoured to blend in with the natural topography of the area, covered with other available surface soil materials, and reseeded with an approved seed mixture.

Management Recommendations

Because Alpine recommends the TNT No. 2 Mine (5MN9250) as ineligible for the NRHP, no further historical or archaeological work is recommended.

Lease Tract C-LP-23, Project Area 29

5MN9251

Site 5MN9251 is a vent shaft on a bench above the south-facing escarpment of Paradox Valley. The vent is on the unpatented Lexington mining claim within the DOE Uranium Reserve, on land managed by the BLM-UFO. The site encompasses an area of 0.12 acres at an elevation of 6,270 ft. (1,911 m). Vegetation in the area consists of pinyon and juniper forest in association with rabbitbrush and prickly pear cactus. The site includes a closed vent shaft, a collapsed platform, and a small artifact scatter (see Appendix B-14). A drill bit flagged with tape has been driven into the ground nearby, possibly to mark the location.

Feature 1 is a closed vent shaft with a length of 8-in.-diameter galvanized steel stovepipe that extends above the ground approximately 10 in.

Feature 2 is a collapsed wooden platform immediately southeast of the vent shaft. The platform consists of a scatter of deteriorated 2 by 4-in., 1 by 6-in., 1 by 8-in., and 1 by 10-in. boards. It measures approximately 8 by 10 ft., oriented north to south.

A small scatter of artifacts identified at the site was designated Artifact Concentration 1. This artifact scatter included a coffee can, 12 Sanitary cans, a metal 5-gal. drum lid, a rectangular meat tin, a metal light housing, a length of ½-in.-diameter wire rope, and a chunk of a 12-in.-diameter debarked log.

Historical Background

The Lexington claim was originally discovered by VCA on December 10, 1939 (Montrose County Courthouse, County Clerk's Office, Book 201, Page 539). The first AOL for the mine was filed in 1946 by VCA, who continued to file AOL documents through 1967 (Montrose County Courthouse, County Clerk's Office, Book 243, Pages 54, 274, 356, and 468; Book 245, Page 81; Book 330, Page 225; Book 336, Page 532; Book 374, Pages 101 and 406; Book 418, Page 91; Book 446, Page 279; Book 456, Page 341; Book 457, Page 486; Book 491, Page 420; Book 503, Page 296; Book 522, Pages 63 and 347; Book 541, Pages 114, 357, 635, and 840). In 1968, the AOL was filed by Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 562, Page 105). In 1969, the AOL was filed by Climax Uranium Company, and, in 1970, the AOL was filed by Foote Mineral Company again (Montrose County Courthouse, County Clerk's Office, Book 562, Page 698).

In 1971, the Lexington Mine appears to have fallen under the control of Union Carbide Corporation, who continued to file the AOL documents through 1984 (Montrose County Courthouse, County Clerk's Office, Book 588, Pages 83, 361, 542, and 772; Book 620, Pages 35, 338, 627, and 917; Book 661, Pages 251 and 648; Book 692, Pages 291 and 698, Book 728, Pages 41 and 568). In 1985, the AOL was filed by Umetco Minerals Corporation, an entity created when Dow Chemical purchased the Union Carbide Corporation (Montrose County Courthouse, County Clerk's Office, Book 728, Page 347). The AOL documents continued to be filed by Umetco through 1991 (Montrose County Courthouse, County Clerk's Office, Book 728, Pages 756 and 897; Book 777, Pages 136, 299; 449, and 622). In 1992, the AOL was filed by Cyprus Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 777, Page 798). After this filing, the Lexington claim appears to have been allowed to lapse.

National Register Recommendations

The Lexington claim was initially located in 1939, during Twitty's (2008a) third period of significance, the Depression-Era Revival (1935-1940). However, due to the lack of AEC records, the dates of production are unknown. The single vent shaft, deteriorated platform, and small artifact scatter recorded as site 5MN9251 have very limited potential to provide information about how the mine was operated during the period of significance. Any additional equipment, including a compressor, fan, or other machinery, at the vent shaft has been removed. Based on Twitty's (2008a) significance criteria focusing on architectural, engineering, and archaeological integrity, the integrity of the site can be considered very low due to the limited material remains at the site. Additionally, the vent shaft does not represent a visible feature of the mining landscape. Alpine recommends site 5MN9251 not eligible for the NRHP.

Management Recommendations

Because Alpine recommends site 5MN9251 as ineligible for the NRHP, no further historical or archaeological work is recommended.

Isolated Finds

Thirteen isolated finds were recorded during project work: two reclaimed mine features that have since subsided and 11 vent shafts. These isolated finds are summarized in Table 7. Each of the cultural resources recorded as isolated finds contained fewer than five artifacts in addition to the subsidence or vent shaft recorded. The isolated finds are all recommended as ineligible for NRHP nomination and require no further work.

SUMMARY AND RECOMMENDATIONS

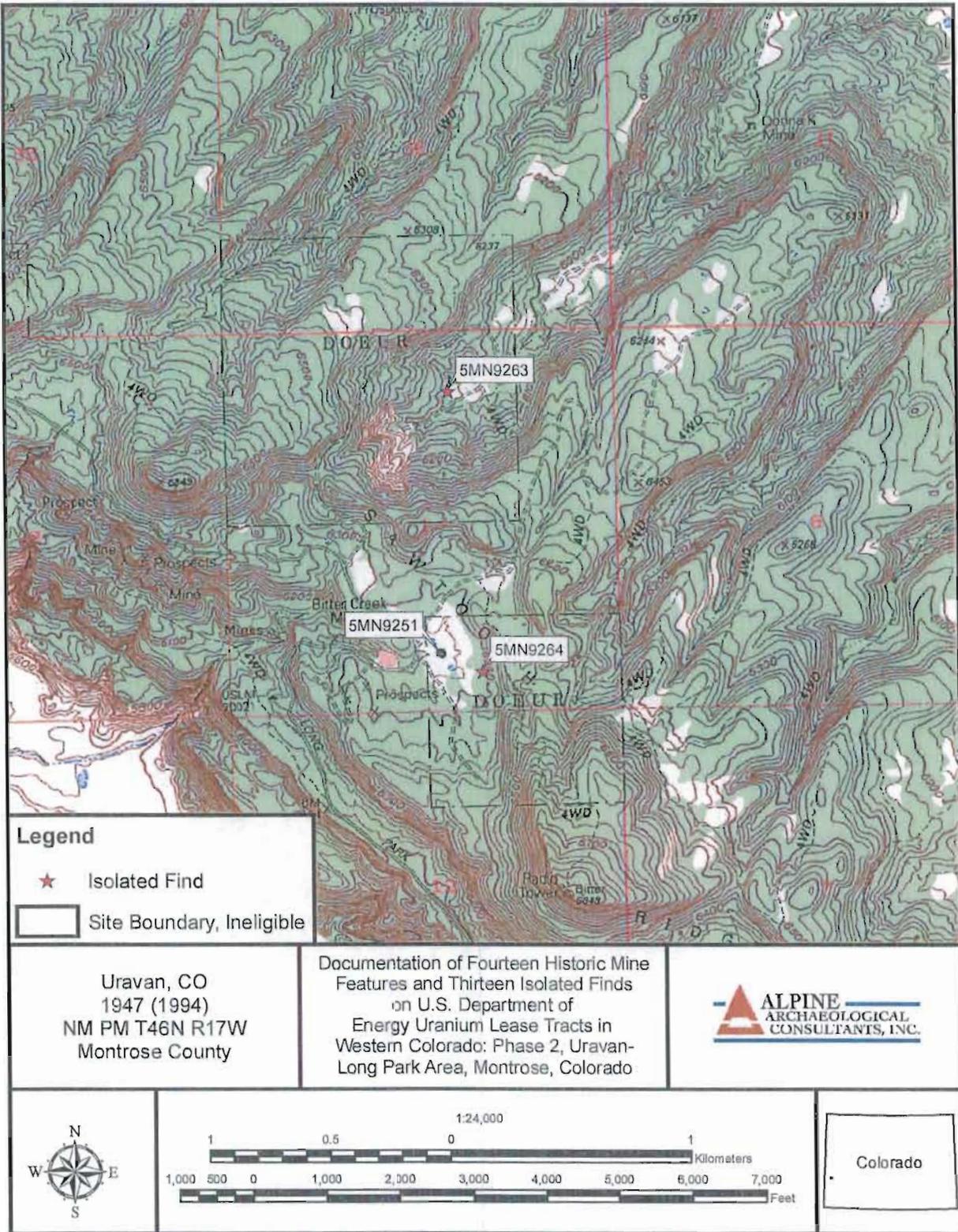
The historic mine features documentation on six DOE uranium lease tracts resulted in the examination of 5.61 acres. 5.60 acres are on DOE Uranium Reserve lands administered by the BLM-UFO, and 0.01 acres are on private land. Fourteen new cultural resource sites were recorded during the inventory. All of the recorded sites were evaluated as not eligible for inclusion on the NRHP (see Table 8), and, as a result, no further archaeological or historical work is recommended at these sites. Thirteen isolated finds were also recorded, which are NRHP-ineligible. The results of the project were as expected. Mine features proposed for reclamation were recorded as cultural resource sites or isolated finds, depending on the nature of the resources within the area slated for disturbance.

Table 7. Isolated Finds.

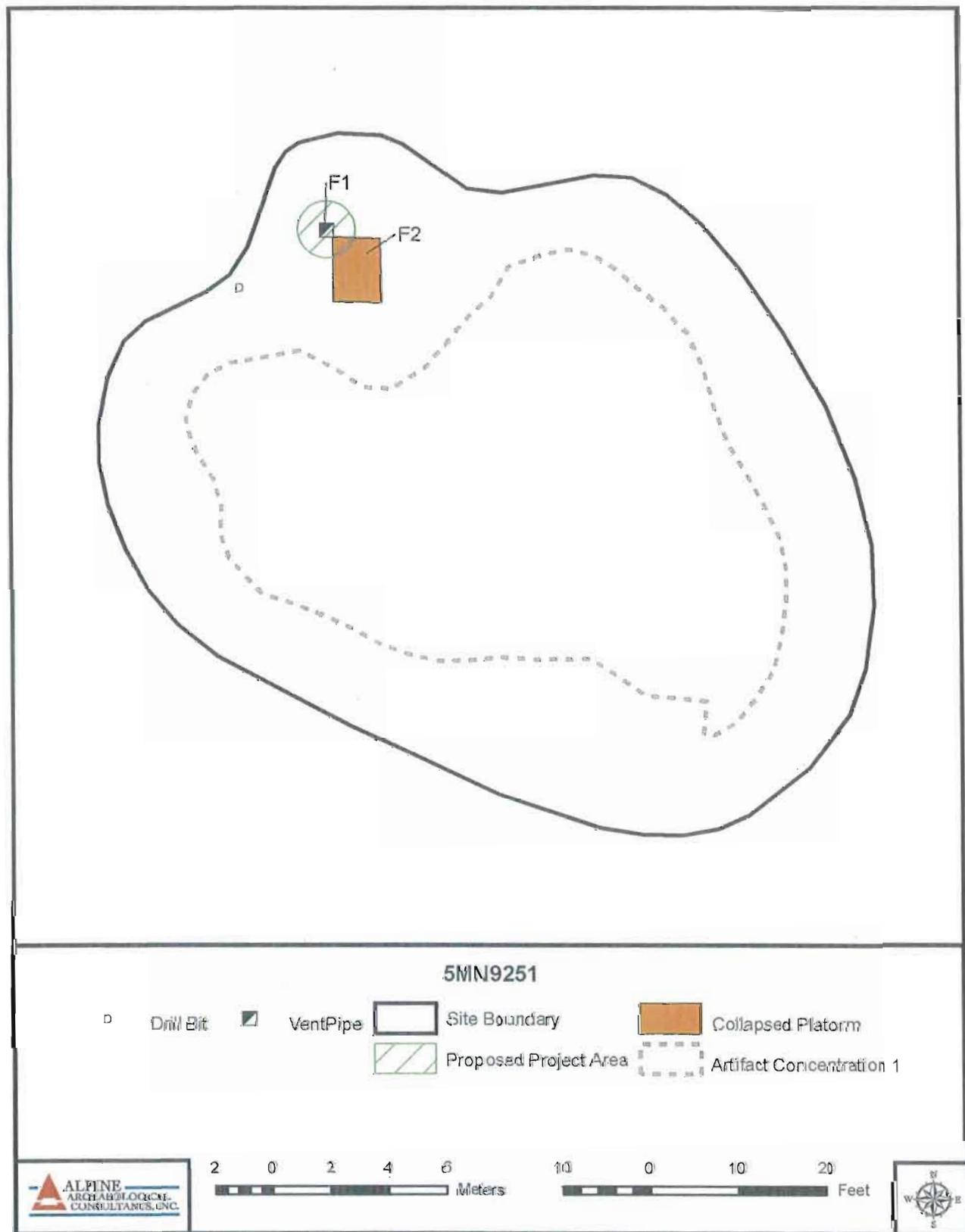
Isolate No.	Lease Tract	Mining Claim	Description	Artifacts
5MN9252	C-AM-19A	Abajo No. 3	Vent shaft with 20-in. diameter collared pipe	35-in.-diameter fan, ½-in.-diameter wire rope
5MN9253	C-LP-21	Vanadium King No. 5 (Vent 1)	Vent shaft with 8-in.-diameter galvanized steel stovepipe	None
5MN9254	C-LP-22	Cripple Creek	Vent shaft encased by stack of 4 15-gal. lubricant oil barrels	None
5MN9255	C-LP-22	Second National Bank	Vent shaft with 22-in.-diameter welded metal pipe	None
5MN9256	C-LP-22	First National Bank	Vent shaft with 13 ½-in.-diameter metal pipe	Length of ½-in. wire rope, fragment of milled lumber, metal spring from car seat
5MN9257	C-LP-22	First National Bank	Vent shaft with 8-in.-diameter galvanized steel stovepipe	Many fragments of a single clear glass liquor bottle
5MN9258	C-LP-22	First National Bank	Vent shaft with 21-in.-diameter metal pipe	Metal chain belt
5MN9259	C-LP-22A	Hidden Basin	Vent shaft with 10-in.-diameter galvanized steel standpipe; an AEC standpipe is also situated in immediate association	Piece of strap metal, oil can
5MN9260	C-LP-22A	Hidden Basin	Vent shaft with 8-in.-diameter stovepipe	2 oil cans, 2 Sanitary cans
5MN9261	C-LP-22A	Hidden Basin	Vent shaft with 8-in.-diameter stovepipe	1¼-in.-diameter water pipe, length of ¼-in.-diameter wire rope, fragments of milled lumber, pry-off lid for lubricant barrel
5MN9262	C-LP-22A	TNT No. 1	Subsidence measuring 8 ft. in diameter	None
5MN9263	C-LP-23	C-LP-23	Subsidence measuring 68 ft. by 44 ft.	Claim certificate in jar dating to 2007 (illegitimate)
5MN9264	C-LP-23	Lexington	Collapsed vent shaft approximately 4 ft. in diameter, with no pipe	Length of coiled bailing wire

Table 8. Summary of Management Recommendations for Project Sites.

Site No.	Resource Type		NRHP Eligibility		Proposed Impacts		Management Recommendations		
	Prehistoric	Historic	Eligible	Not Eligible	Mine Reclamation	Vent Shaft, Mine Shaft, or Adit Closure	No Further Work	Avoid Historic Features or Mitigate	Monitor Project Work
5MN9235		X		X		X	X		
5MN9236		X		X		X	X		
5MN9238		X		X		X	X		
5MN9239		X		X		X	X		
5MN9240		X		X	X		X		
5MN9241		X		X		X	X		
5MN9242		X		X		X	X		
5MN9245		X		X		X	X		
5MN9246		X		X		X	X		
5MN9247		X		X		X	X		
5MN9248		X		X		X	X		
5MN9249		X		X		X	X		
5MN9250		X		X	X		X		
5MN9251		X		X		X	X		



Appendix A-3



Resource Number: 5MN9251
Temporary Resource Number: Lexington Vent

Management Data Form

(page 2 of 4)

13. USGS Quad Uravan, CO 7.5' 15' Date(s): 1994 (attach photocopy)
14. County: Montrose 15. Other Maps:
16. UTM Reference: Check your Datum NAD 27 NAD 83
- | | | | |
|----|-----|------------------|-------------------|
| A. | 12; | <u>701666</u> mE | <u>4237641</u> mN |
| B. | 12; | mE | mN |
| C. | 12; | mE | mN |
| D. | 12; | mE | mN |
17. Address: Lot Block: Addition
18. Location/Access: From Naturita, CO, drive west on Colo. Hwy. 141 for 3.4 miles to the intersection of Colo. Hwy. 141 and Hwy. 90. Turn left on Hwy. 90 and continue for 5.5 miles before turning right on Montrose County Road EE22. Drive 4.0 miles along CR EE22. Immediately after existing a sharp "U"-turn to the right, the road bends back left. Park at the widest part of the second large curve in the road. From this point, walk approximately 375 ft. east to the site.

III. NATURAL ENVIRONMENT

19. Topographic Feature(s):
- | | | |
|---|---|---------------------------------------|
| <input type="checkbox"/> mountain | <input type="checkbox"/> ledge | <input type="checkbox"/> playa |
| <input type="checkbox"/> hill | <input checked="" type="checkbox"/> terrace/bench | <input type="checkbox"/> talus slope |
| <input type="checkbox"/> tableland/mesa | <input type="checkbox"/> canyon | <input type="checkbox"/> alluvial fan |
| <input type="checkbox"/> ridge | <input checked="" type="checkbox"/> valley | <input type="checkbox"/> plain |
| <input type="checkbox"/> saddle/pass | <input type="checkbox"/> basin | <input type="checkbox"/> dune |
| <input type="checkbox"/> alcove/rockshelter | <input type="checkbox"/> floodplain | <input type="checkbox"/> |
| <input type="checkbox"/> cliff | <input type="checkbox"/> cutbank | <input type="checkbox"/> |
| <input type="checkbox"/> slope | <input type="checkbox"/> arroyo/gully | <input type="checkbox"/> |
20. Site Topographic Description (mention names landforms):
The site is located on a bench above the south-facing escarpment of Paradox Valley.
21. Site Elevation: 6,270 feet = (x .3048) 1911 meters 22. Aspect: 260 °
23. Degree of Slope on Site: 0-10 ° 24. Soil Depth: 0 - 5 cm
25. Soil Description (character and color): Grayish-brown sandy clay loam
26. Depositional Environment
- | | | |
|--|---|--|
| <input type="checkbox"/> Aeolian | <input checked="" type="checkbox"/> Colluvial | <input checked="" type="checkbox"/> Residual |
| <input type="checkbox"/> Alluvial | <input type="checkbox"/> Moraine | <input type="checkbox"/> None |
| <input type="checkbox"/> Other, specify: | | |
27. Nearest Water: name/nature Unnamed drainage/ intermittent distance: 590 m 1936 ft
28. Nearest Permanent Water: name: Horsethief Spring distance: 3880 m 12730 ft
29. Vegetation on Site (list predominant species): Pinyon and juniper forest in association with rabbitbrush and prickly pear cactus
30. Vegetation Associations/Communities Surrounding Site: Pinyon and juniper forest

Resource Number: 5MN9251
Temporary Resource Number: Lexington Vent

Management Data Form

(page 3 of 4)

IV. NATIONAL/STATE REGISTER ELIGIBILITY ASSESSMENT

31. Context or Theme: Mining - Uranium

specify: The Atomic Era (1946-1963)

32. Applicable National Register Criteria

Does not meet any of the below National Register criteria

A. Associated with events that have made a significant contribution to the broad pattern of our history; or

B. Associated with the lives of persons significant to our past; or

C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Has yielded, or may be likely to yield, information important in history or prehistory; or

Qualifies under exceptions A through G.

Level of Significance: National State Local

33. Condition:

a. Architectural/Structural

Excellent

Good

Fair

Deteriorated

Ruins

b. Archaeological/Paleontological

Undisturbed

Light disturbance

Moderate disturbance

Heavy disturbance

Total disturbance

34. Describe Condition: Wooden platform collapsed; any additional features have been removed.

35. Vandalism: describe

36. National Register Eligibility Field Assessment:

Eligible Not Eligible Need Data

Statement of Significance/N.R.H.P. Justification

The Lexington claim was initially located in 1939, during Twitty's (2008a) third period of significance, the Depression-Era Revival (1935-1940). However, due to the lack of AEC records, the dates of production are unknown. The single vent shaft, deteriorated platform, and small artifact scatter recorded as site 5MN9251 have very limited potential to provide information about how the mine was operated during the period of significance. Any additional equipment, including a compressor, fan, or other machinery, at the vent shaft has been removed. (Please see Management Data Continuation Page.)

37. Status in an Existing National Register District:

Contributing Non-Contributing

38. National Register District Potential

discuss

Resource Number: 5MN9251
Temporary Resource Number: Lexington Vent

Management Data Form

(page 4 of 4)

V. MANAGEMENT AND ADMINISTRATIVE DATA

39. Threats to Resource: Water erosion Wind erosion Grazing Neglect
Vandalism Recreation Construction Other (specify): Reclamation
comments:
40. Existing Protection: None Marked Fenced Patrolled Access controlled
other (specify):
41. Local landmark designation: 42. Easement:
43. Management Recommendations:
Because Alpine recommends site 5MN9251 as ineligible for the NRHP, no further historical or archaeological work is recommended.

VI. DOCUMENTATION

44. Previous Actions Accomplished at the site:
a. Excavations: Test Partial Complete Date(s):
b. Stabilization: Date(s):
c. HABS/HAER Documentation Date(s) and Numbers:
d. Other:
45. Known collections/reports/interviews and other references (list):
46. Primary Location of Additional Data: Alpine Archaeological Consultants, Inc.
47. State or Federal Permit Number: Colorado BLM Use Permit C-46920 Collection Authorized:
Artifact Collection: Artifact Repository: N/A
Collection Method: Diagnostics Grab Sample Random Sample Transect
Other (specify):
48. Photograph Numbers: SMM-DUL-09-4: 5 and 6 Negatives filed at: N/A - Digital images
49. Report Title: Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 2, Uravan/Long Park Area, Montrose County, Colorado
50. Recorder(s): Summer Moore-McMillan, Martha Bright Date(s): 7/20/09
51. Recorder Affiliation: Alpine Archaeological Consultants, Inc. Montrose, CO
52. Phone Number: (970) 249-6761

NOTE: Please attach a sketch map, a photocopy of the USGS quad. map indicating resource location, and photographs.

Colorado Historical Society - Office of Archaeology and Historic Preservation,
1300 Broadway, Denver, CO 80203
1303-866-3395

COLORADO CULTURAL RESOURCE SURVEY

Management Data Form

Continuation Page

Resource Number: 5MN9251
Temporary Resource Number: Lexington Vent

36. National Register Eligibility Field Assessment:

Statement of Significance/N.R.H.P. Justification:

Based on Twitty's (2008) significance criteria focusing on architectural, engineering, and archaeological integrity, the integrity of the site can be considered very low due to the limited material remains at the site. Additionally, the vent shaft does not represent a visible feature of the mining landscape. Alpine recommends site 5MN9251 not eligible for the NRHP.

Reference Cited:

Twitty, Eric (2008). "Guide to Assessing Historic Radium, Uranium, and Vanadium Mining Resources in Montrose and San Miguel Counties." Prepared by Mountain States Historical, Boulder, Colorado. Prepared for Western Colorado Interpretive Association, Delta, Colorado.

Historic Archaeological Component Form

(page 1 of 4)

Use this form in conjunction with the Management Data Form. One of these forms should be completed for each historical resources with archaeological potential.

Does this form pertain to the site in general?

OR

a particular feature/structure (please note feature/structure number)

1. Resource Number: 5MN9251 2. Temporary Resource Number: Lexington Vent

3. Site/Feature Type: Vent Shaft - Uranium Mine

4. General Site/Feature Description:

Site 5MN9251 is a vent shaft on a bench above the south-facing escarpment of Paradox Valley. The vent is on the unpatented Lexington mining claim within the DOE Uranium Reserve, on land managed by the BLM-UFO. The site encompasses an area of 0.12 acres at an elevation of 6,270 ft. (1,911 m). Vegetation in the area consists of pinyon and juniper forest in association with rabbitbrush and prickly pear cactus. The site includes a closed vent shaft, a collapsed platform, and a small artifact scatter. A drill bit flagged with tape has been driven into the ground nearby, possibly to mark the location.

Feature 1 is a closed vent shaft with a length of 8-in.-diameter galvanized steel stovepipe that extends above the ground approximately 10 in.

Feature 2 is a collapsed wooden platform immediately southeast of the vent shaft. The platform consists of a scatter of deteriorated 2 by 4-in., 1 by 6-in., 1 by 8-in., and 1 by 10-in. boards. It measures approximately 8 by 10 ft., oriented north to south.

A small scatter of artifacts identified at the site was designated Artifact Concentration 1. This artifact scatter included a coffee can, 12 Sanitary cans, a metal 5-gal. drum lid, a rectangular meat tin, a metal light housing, a length of ½-in.-diameter wire rope, and a chunk of a 12-in.-diameter debarked log.

5. Historic Component Date(s) and/or Sociopolitical Period: 1939-1991

Justification: Historical documents

6. Component Function(s)

Original Use: Vent shaft, uranium mine

Present Use: None

Comments:

7. Ethnic affiliation of occupants: Historic

Justification: Historical records

Resource Number 5MN9251

Temporary Resource Number: Lexington Vent

Historic Archaeological Component Form

(page 2 of 4)

8. Artifact Classes: Please list specific attributes on the first line and artifact quantity (either count or estimate on the second line. Particularly important attributes are listed following the artifact class.

A. Glass: type function, color, manufacturing technique, makers marks, inscriptions, thickness, shape

Bottle glass: purple clear aqua cobalt blue amber
light green olive green yellowish other:

Vessel finish: hand-finished machine-made

Vessel types:

Makers marks/embossing:

Other vessel types:

Total estimated number of vessels:

B. Ceramics: type, function, surface treatment/glaze, shape, trademarks, color, decorations

Earthenware:

Estimated number of vessels:

Stoneware:

Estimated number of vessels:

Porcelain:

Estimated number of vessels:

C. Nails: size, material type and manufacture technique, if not wire or cut

Cut nails: **Quantity:** **Wirenails:** **Quantity:**

Other fasteners:

Quantity:

Resource Number 5MN9251

Temporary Resource Number: Lexington Vent

Historic Archaeological Component Form

(page 3 of 4)

D. Cans: function, size, material type, type of opening, seams, inscriptions Quantity

Hole-in-cap:

Hole-in-top:

Sanitary: Sanitary cans 12

Other: Coffee can, rectangular meat tin 2

E. Cartridge Cases: type, size, inscriptions, material type

Rimfire:

Centerfire:

Other:

F. Construction Material: type, material, function (includes items such as logs, lumber, brick, adobe, cement, concrete, stone/rock, sheet metal, asphalt, tar, pipe)

Window glass: **Quantity:**

Other:

G. Misc. Other Items: type, material, function (includes items such as utensils, stove parts, wire, nuts, bolts, rivets, screws, buckets, barrels, vehicle parts, machinery, leather, clothing, bone, furniture, buttons, etc.)

List: Lid to metal 5-gal. drum, metal light housing, length of 1/2-in.-diameter wire rope, chunk of a 12-in.-diameter debarked log

9. Artifact Density: Heavy Medium Light

Describe: A small scatter of domestic and industrial artifacts was observed surrounding the vent shaft.

10. Additional Information:

Historical Background

The Lexington claim was originally discovered by VCA on December 10, 1939 (Montrose County Courthouse, County Clerk's Office, Book 201, Page 539). The first AOL for the mine was filed in 1946 by VCA, who continued to file AOL documents through 1967 (Montrose County Courthouse, County Clerk's Office, Book 243, Pages 54, 274, 356, and 468; Book 245, Page 81; Book 330, Page 225; Book 336, Page 532; Book 374, Pages 101 and 406; Book 418, Page 91; Book 446, Page 279; Book 456, Page 341; Book 457, Page 486; Book 491, Page 420; Book 503, Page 296; Book 522, Pages 63 and 347; Book 541, Pages 114, 357, 635, and 840). In 1968, the AOL was filed by Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 562, Page 105). In 1969, the AOL was filed by Climax Uranium Company, and, in 1970, the AOL was filed by Foote Mineral Company again (Montrose County Courthouse, County Clerk's Office, Book 562, Page 698).

In 1971, the Lexington Mine appears to have fallen under the control of Union Carbide Corporation, who continued to file the AOL... (Please see Historic Archaeological Component Continuation Page.)

Resource Number 5MN9251

Temporary Resource Number: Lexington Vent

Historic Archaeological Component Form

(page 4 of 4)

Note: Complete parts 11 and 12 only if this form pertains to the site in general.

11. Architectural Features(s). Please complete a Historic Architectural Component Form when appropriate.

Map Ref.	Description	Construction Material	Dimensions
----------	-------------	-----------------------	------------

12. Non-architectural features(s).

Map Ref.	Description	Construction Material	Dimensions
<u>F1</u>	<u>Vent shaft</u>	<u>Metal and earth</u>	<u>8-in. diameter</u>
<u>F2</u>	<u>Wooden platform</u>	<u>Milled lumber</u>	<u>8 by 10 ft.</u>

13. Discuss Archaeological potential:

The site has no archaeological potential.

14. Recorder(s): Summer Moore-McMillan, Martha Bright

15. Date: 7/20/09

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1303-866-3395

COLORADO CULTURAL RESOURCE SURVEY

Historic Archaeological Component Form

Continuation Page

Resource Number: 5MN9251
Temporary Resource Number: Lexington Vent

10. Additional Information (Historical Background), Continued:

... documents through 1984 (Montrose County Courthouse, County Clerk's Office, Book 588, Pages 83, 361, 542, and 772; Book 620, Pages 35, 338, 627, and 917; Book 661, Pages 251 and 648; Book 692, Pages 291 and 698, Book 728, Pages 41 and 568). In 1985, the AOL was filed by Umetco Minerals Corporation, an entity created when Dow Chemical purchased the Union Carbide Corporation (Montrose County Courthouse, County Clerk's Office, Book 728, Page 347). The AOL documents continued to be filed by Umetco through 1991 (Montrose County Courthouse, County Clerk's Office, Book 728, Pages 756 and 897; Book 777, Pages 136, 299, 449, and 622). In 1992, the AOL was filed by Cyprus Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 777, Page 798). After this filing, the Lexington claim appears to have been allowed to lapse.

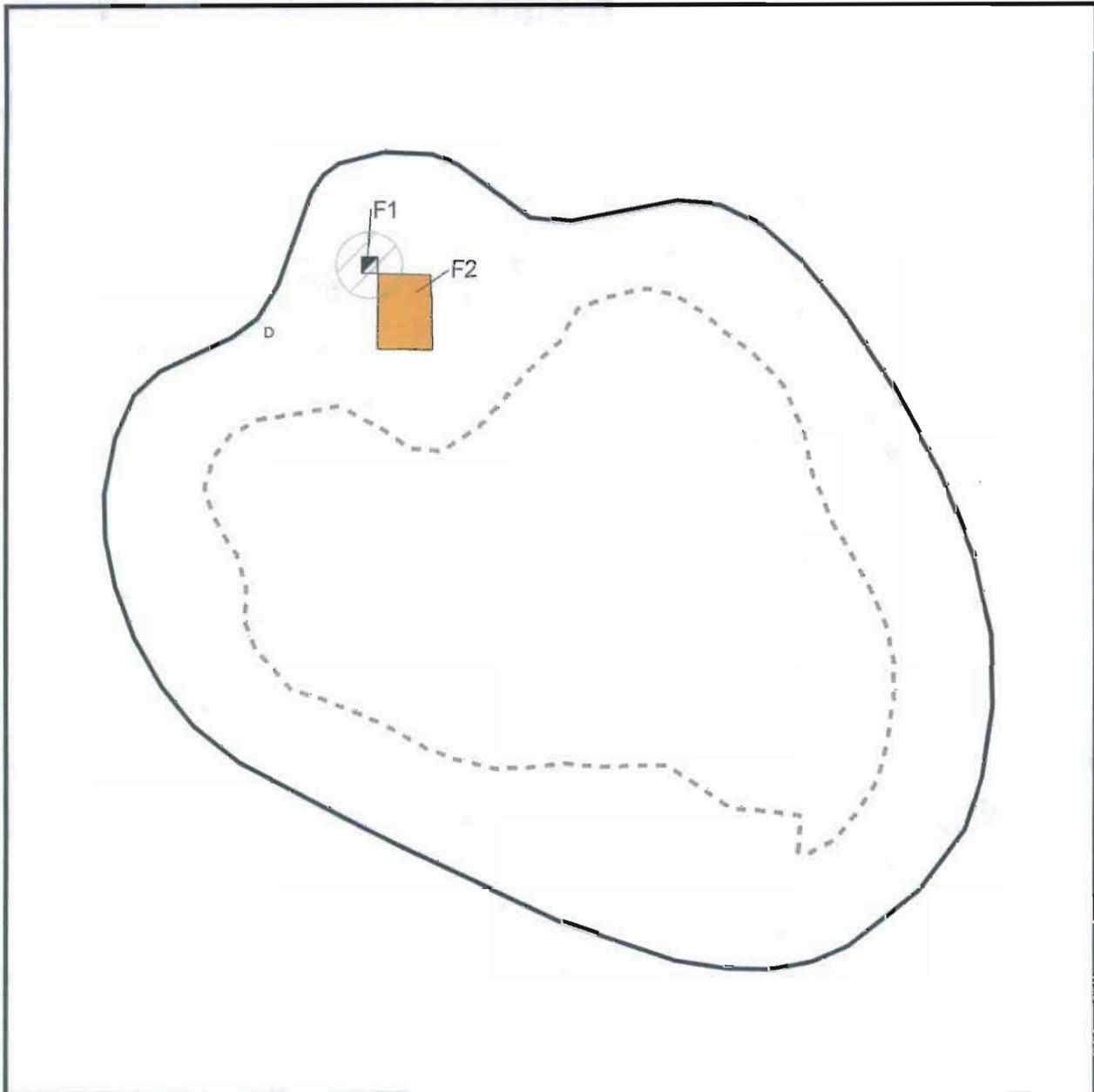


5MN9251. Overview of site, looking south.



5MN9251. Feature 1, vent shaft, and Feature 2, collapsed wooden platform, facing south.

For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18).

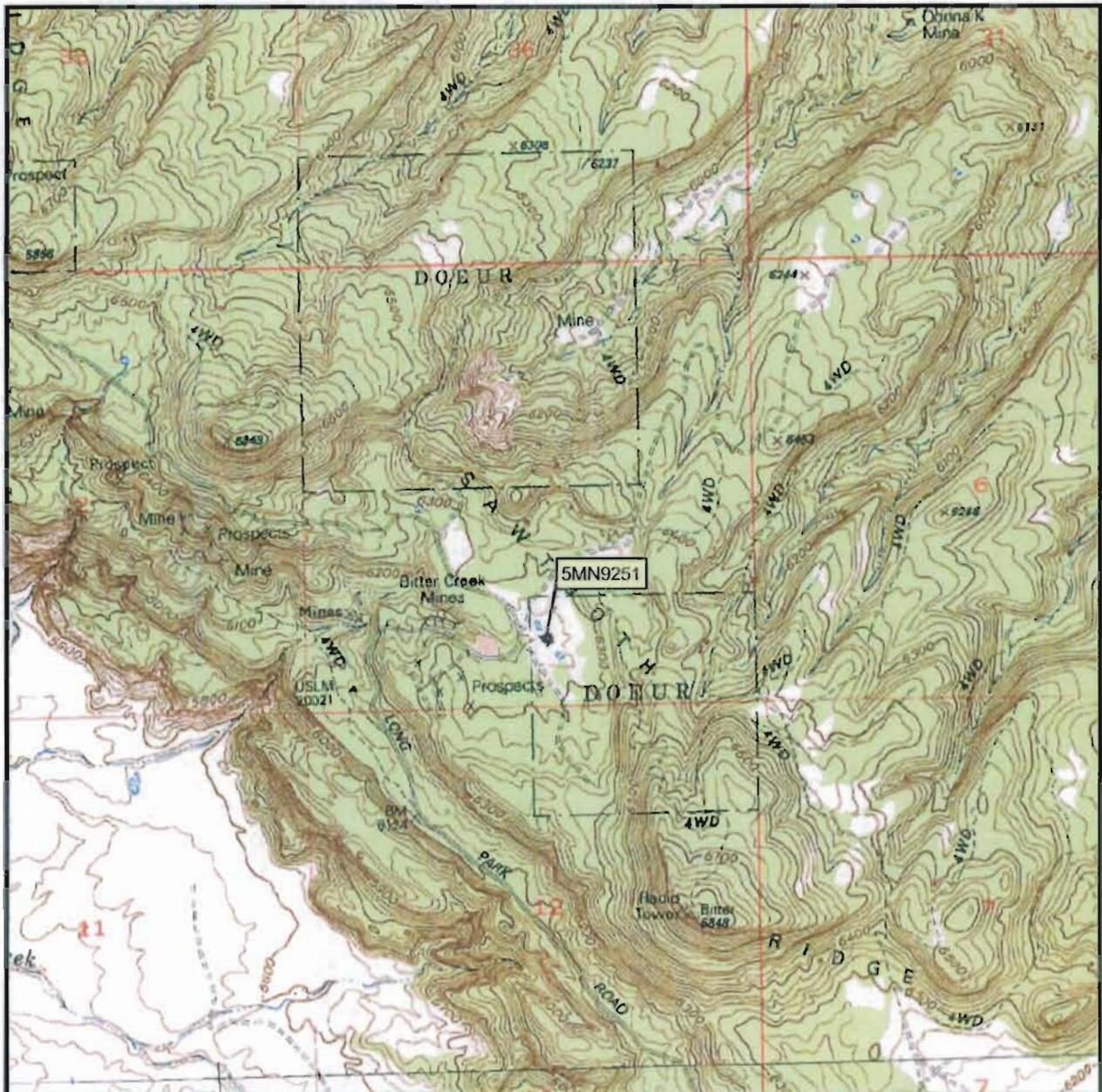


5MN9251

- D Drill Bit
- ▣ VentPipe
- ▭ Site Boundary
- ▭ Collapsed Platform
- ▨ Proposed Project Area
- ⋯ Artifact Concentration 1

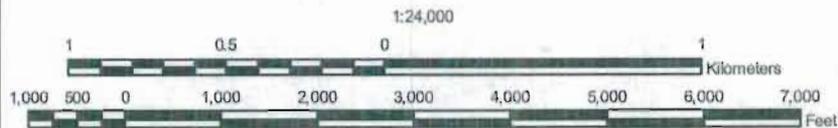


For Official Use Only: Disclosure of site locations prohibited (43 CFR 7.18).



Uravan, CO
1947 (1994)
NM PM T46N R17W
Montrose County

Documentation of Historic Mine
Features on U.S. Department of
Energy Uranium Lease Tracts in
Western Colorado: Phase 2, Uravan-
Long Park Area, Montrose, Colorado



Colorado

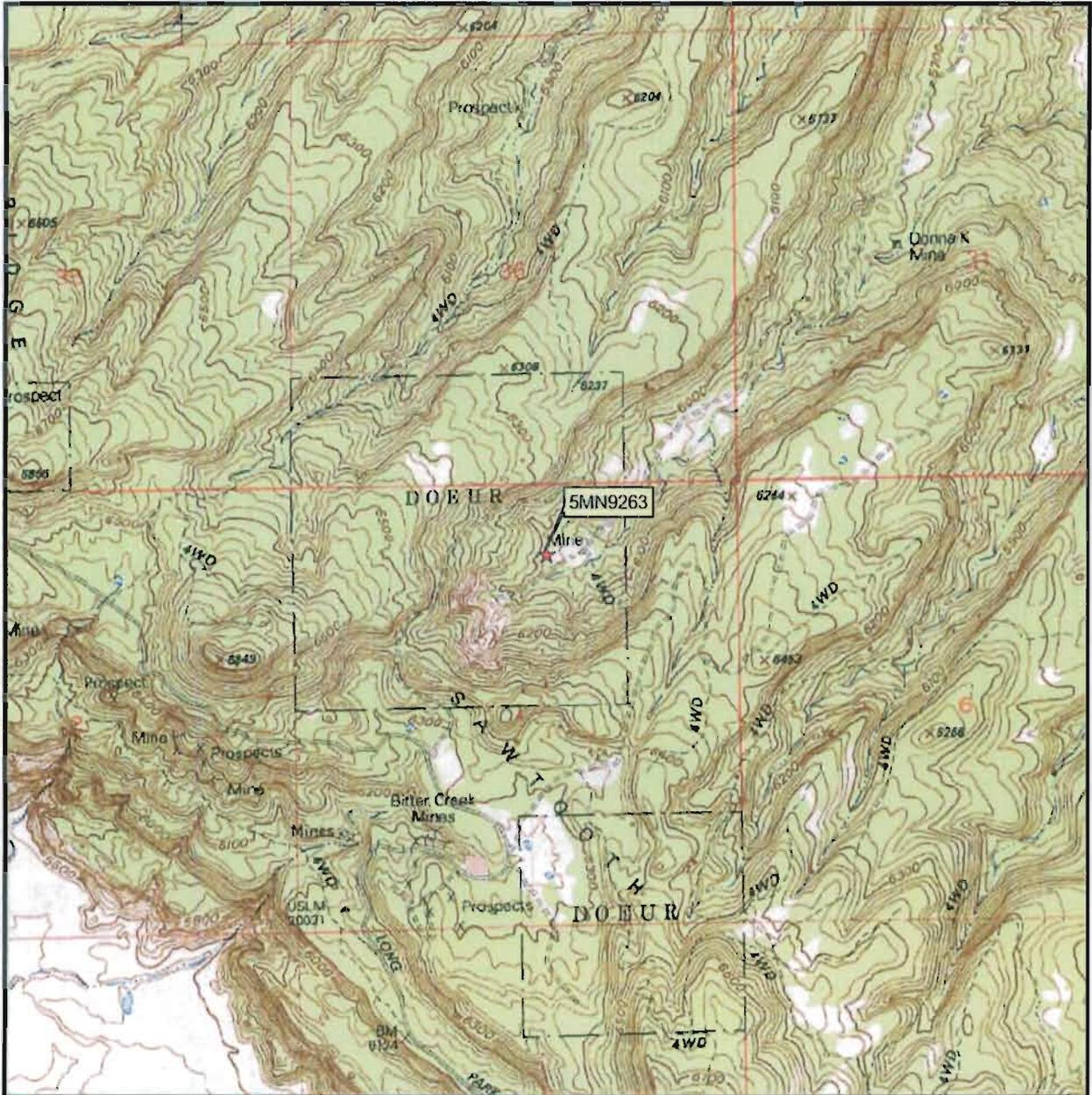


5MN9263. Overview of C-LP-23 disturbance area, looking southwest.



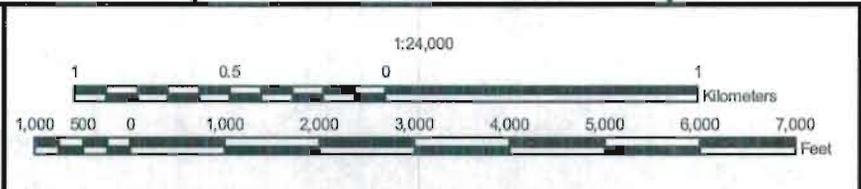
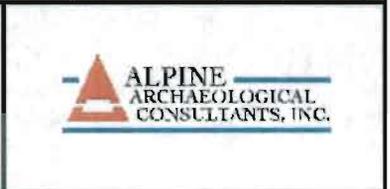
5MN9263. Subsidence 1 of C-LP-23, facing west-northwest.

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Uravan, CO
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Long Park Area, Montrose, Colorado



Colorado

Isolated Find Record

I. IDENTIFICATION AND LOCATION

1. Resource Number: 5MN9264
2. Temporary Resource Number: IF-LX-T3
3. County: Montrose
4. Legal Location: PM NM Township 46N Range 17W
Sec 1 NW 1/4 of SE 1/4 of SW 1/4 of SE 1/4
if section is irregular, explain alignment method: SE corner, S edge
5. UTM's: Zone 12 , 701836 mE, 4237569 mN NAD: 83
6. USGS Quad Name: Uravan, CO
Date: 1994

II. ARCHAEOLOGICAL DATA

7. Artifacts: The isolated find is a collapsed vent shaft measuring 4 ft. in diameter. No vent pipe was present. A PVC drill hole marker is situated 5 m to the southwest of the vent shaft. A single coiled piece of baling wire was identified in association with the vent shaft.
8. IF Dimensions: 5 X 5 m OR Single Artifact
9. Inferred Function(s): vent shaft for a uranium mine
10. Cultural Affiliation/Time Period: Historic
11. Comments: The Lexington claim was originally discovered by VCA on December 10, 1939 (Montrose County Courthouse, County Clerk's Office, ... (please see Isolated Find Record Continuation Page.)

III. ENVIRONMENTAL DATA

12. Elevation: Feet: 6295 Meters: 1,919
13. Soil: grayish-green sandy clay loam
14. Topography: immediately southwest of Sawtooth Ridge, on a broad bench above the southwest-facing slope
15. Slope: Site: 0-5° Surrounding: 0-40°
16. Nearest Water: Name/Nature Unnamed drainage/ intermittent
Elevation: 6,360 feet Distance: 420 m Direction: ESE
17. Vegetation: pinyon and juniper forest in association with sagebrush, Mormon tea, and rabbitbrush

IV. REFERENCE DATA

18. Collection?: Describe:
19. Repository: N/A
20. Landowner: Bureau of Land Mgmt, Uncompahgre Field Office/Dept. of Energy
21. Report Title: Documentation of Historic Mine Features on U.S. Department of Energy Uranium Lease Tracts in Western Colorado: Phase 2, Uravan/Long Park Area, Montrose County, Colorado
22. Recorder(s): Summer Moore-McMillan, Martha Bright
23. Recorder Affiliation: Alpine Archaeological Consultants, Inc.
24. Date(s): 7/20/2009

Isolated Find Record**Continuation Page**

Resource No.: 5MN9264

Temp. Resource Number: IF-LX-T3

11. Comments, Continued:

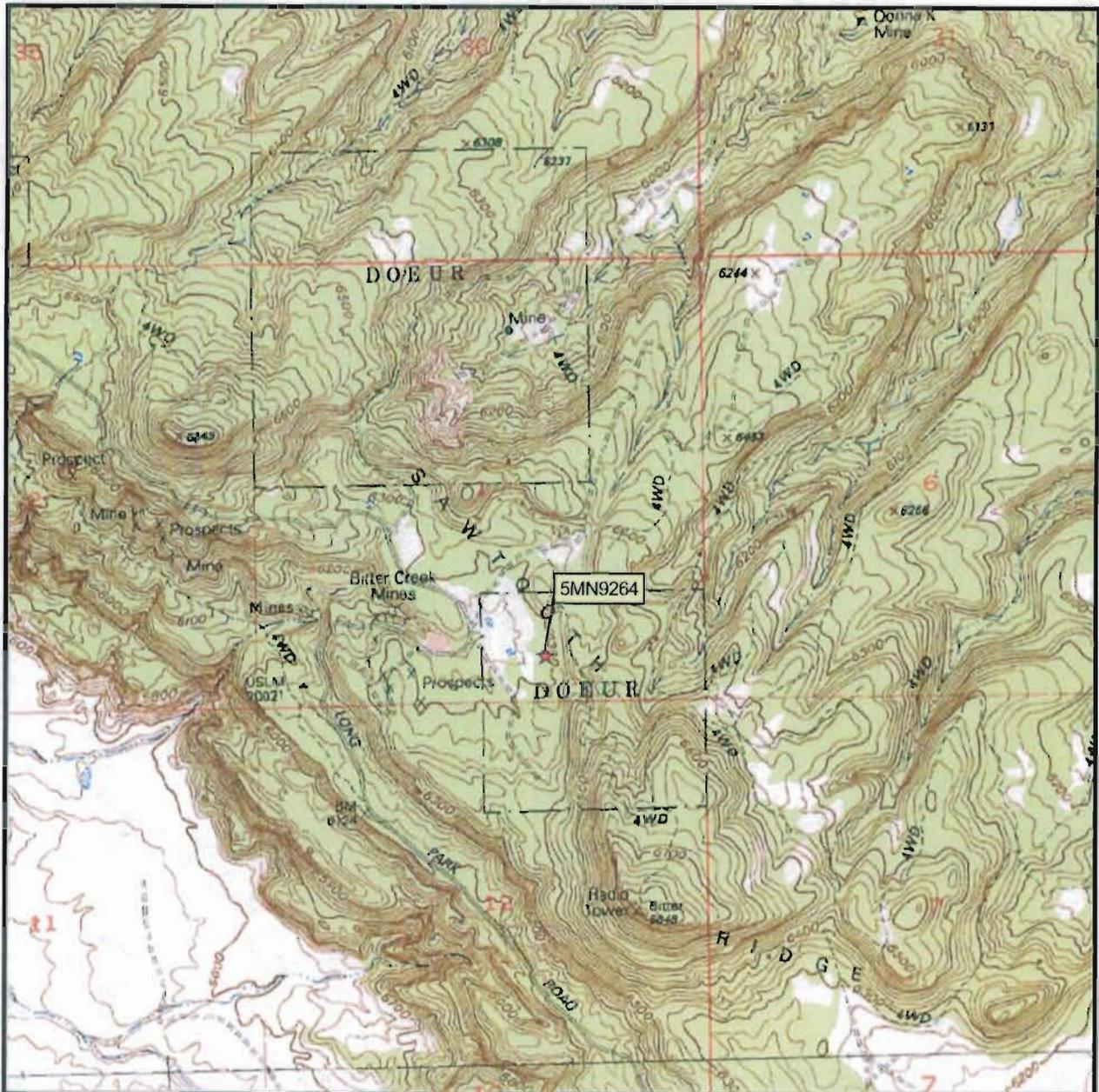
... Book 201, Page 539). The first AOL for the mine was filed in 1946 by VCA, who continued to file AOL documents through 1967 (Montrose County Courthouse, County Clerk's Office, Book 243, Pages 54, 274, 356, and 468; Book 245, Page 81; Book 330, Page 225; Book 336, Page 532; Book 374, Pages 101 and 406; Book 418, Page 91; Book 446, Page 279; Book 456, Page 341; Book 457, Page 486; Book 491; Page 420; Book 503, Page 296; Book 522, Pages 63 and 347; Book 541, Pages 114, 357, 635, and 840). In 1968, the AOL was filed by Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 562, Page 105). In 1969, the AOL was filed by Climax Uranium Company, and, in 1970, the AOL was filed by Foote Mineral Company again (Montrose County Courthouse, County Clerk's Office, Book 562, Page 698).

In 1971, the Lexington Mine appears to have fallen under the control of Union Carbide Corporation, who continued to file the AOL documents through 1984 (Montrose County Courthouse, County Clerk's Office, Book 588, Pages 83, 361, 542, and 772; Book 620, Pages 35, 338, 627, and 917; Book 661, Pages 251 and 648; Book 692, Pages 291 and 698, Book 728, Pages 41 and 568). In 1985, the AOL was filed by Umetco Minerals Corporation, an entity created when Dow Chemical purchased the Union Carbide Corporation (Montrose County Courthouse, County Clerk's Office, Book 728, Page 347). The AOL documents continued to be filed by Umetco through 1991 (Montrose County Courthouse, County Clerk's Office, Book 728, Pages 756 and 897; Book 777, Pages 136, 209, 449, and 622). In 1992, the AOL was filed by Cyprus Foote Mineral Company (Montrose County Courthouse, County Clerk's Office, Book 777, Page 798). After this filing, the Lexington claim appears to have been allowed to lapse.



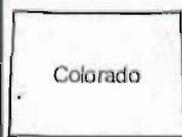
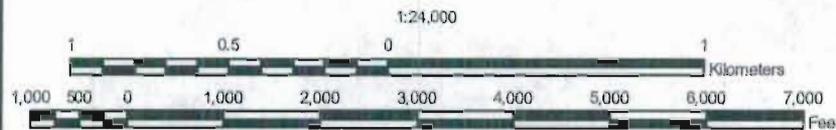
5MN9264. Overview of Lexington Vent Shaft No. 2, facing west-northwest.

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Urvan, CO
1947 (1994)
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Long Park Area, Montrose, Colorado





Department of Energy
Office of Legacy Management

June 15, 2009

OLM-SRS-2009-069

Mr. James Baughman, Chairman and CEO
U.S. Uranium Corporation
2186 South Holly Street, Suite 104
Denver, CO 80222

Subject: Annual Royalties for Mining Lease Numbers AT(05-1)-ML-60.8-C-SR-12 and
C-LP-23

Dear Mr. Baughman:

In accordance with the Lease Agreements for U.S. Department of Energy (DOE) Lease Tracts C-SR-12 and C-LP-23, annual royalties in the aggregate amount of \$27,700 are due and payable to DOE on June 27, 2009. With reference to recent discussions, DOE has identified specific work scope (hazard mitigation and reclamation activities) that can be performed on various DOE lease tracts in lieu of a portion of these annual royalty payments. The DOE has determined the value of this work scope to be \$15,240. A copy of the specific work scope is enclosed for your review.

On the basis of your review, if U.S. Uranium Corporation (USUC) agrees to perform the work scope specified, please formalize your acceptance by signing in the space provided on the enclosure and returning that document to me. If accepted, please recognize that the balance of annual royalties due to DOE (\$12,460) must be paid by June 27, 2009. Project personnel will coordinate a schedule with you that will ensure the completion of these activities in 2009. Upon completion of all activities, USUC will be credited with the appropriate annual royalty payments.

If you choose to decline this option at this time, the entire annual royalty amount (\$27,700) is due and payable on June 27, 2009.

If you have questions concerning this matter, please contact me at (720) 377-9683.

Sincerely,

Steven R. Schiesswohl
2009.06.16 14:46:04
-06'00'

Steven R. Schiesswohl
Realty Officer

Enclosure

cc: Project File ULSCF 2.0 (E. Cotter)

2597 B 3/4 Road, Grand Junction, CO 81503	<input type="checkbox"/>	3600 Collins Ferry Road, Morgantown, WV 26505
1000 Independence Ave., S.W., Washington, DC 20585	<input type="checkbox"/>	11025 Dover St., Suite 1000, Westminster, CO 80021
10995 Hamilton-Cleves Highway, Harrison, OH 45030	<input type="checkbox"/>	955 Mound Road, Miamisburg, OH 45342
232 Energy Way, N. Las Vegas, NV 89030	<input type="checkbox"/>	

REPLY TO: Westminster, CO Office

Acknowledgment and Acceptance

U.S. Uranium Corporation hereby acknowledges the work scope, and its determined value (\$15,240), as referenced in the letter dated June 15, 2009. U.S. Uranium Corporation hereby agrees to perform the defined work scope in lieu of a portion of the annual royalty payments due for Lease Tracts C-SR-12, and C-LP-23 for the 2009-2010 lease year (aggregate sum of \$27,700). U.S. Uranium Corporation further acknowledges that the balance of annual royalties owed to DOE (\$12,460) is due and payable on or before June 27, 2009

Signature/Title

Date

USU Reclamation in-lieu-of Royalties - Estimated Costs

Description	Days on Job	4-day Weeks	Cost per Week	Total Cost
Equip. Operators	5	1.25	2,000	2500
Laborers	0	0	1,400	0
Trackhoe (320)	7	1.75	4,560	7980
Trackhoe (307)	0	0	3,600	0
Mini-Excavator	0	0	1,400	0
Dozer (D-8)	0	0	6,800	0
Dozer (D-6)	0	0	5,520	0
Dozer (D-4)	0	0	2,540	0
FE Loader (966)	4	1	3,120	3120
Backhoe (580)	0	0	2,640	0
Skidster Loader	0	0	1,680	0
Grader/Maintainer	0	0	3,120	0
Dump Truck (tdm)	2	0.5	2,880	1440
Dump Truck (rock)	0	0	0	0
Water Truck	0	0	2,880	0
Flatbed Trailer	0	0	700	0
Pickup (4X4)	0	0	1,920	0
Portable Welder	0	0	540	0
Oxy/Acet Torch Kit	0	0	540	0
Bat Gate Inst. (LS)	0	0		0
Seed Mix (LS)	0.5	0.5	300	150
PUF (Bulk)	0	0	2,000	0
PUF (Case)	1	1	50	50
Total Cost				15240