



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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PRINTED: 05/19/2004

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ROSALIE

ALTERNATE NAMES:

PATENTED CLAIMS MS 2359
MAMMOTH, PATENTED
LAZY BELL RANCH AND MINE

YAVAPAI COUNTY MILS NUMBER: 764

LOCATION: TOWNSHIP 9.5N RANGE 4 E SECTION 28 QUARTER NW
LATITUDE: N 34DEG 11MIN 08SEC LONGITUDE: W 111DEG 57MIN 11SEC
TOPO MAP NAME: BROOKLYN PEAK - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

COPPER OXIDE

BIBLIOGRAPHY:

USGS BROOKLYN PEAK QUAD
BLM MINING DISTRICT SHEET 98
ADMMR ROSALIE MINE FILE
WEED, H. MINES HANDBOOK 1916 P 990
CLAIM EXTEND INTO SEC. 21

WORKSHEET 1
LAND TRANSACTION SCREENING PROCESS SUMMARY

Property Case Name: BLOODY BASIN TRACT Case Number: PLC-006B

Property Location: Brooklyn Peak, within the New River Mountains, East of the Agua Fria River, Yavapai County, AZ

Type of Action: Site Investigation of Non Federal Lands for Exchange

The following actions have been completed (circle action taken)

Date Completed	Action	Non-Fed Lands	Federal Lands No TFGO	TFGO
04 DEC 99	Determine ownership and use of property	Title commitment Certificate of Possession (or * Worksheet 2)	Status Report (or *Worksheet 2)	Worksheet 2 required
	Review chain of title documents since 1940	Optional (or * Worksheet 2)	Optional (or *Worksheet 2)	Worksheet 2 required
15 DEC 99	Complete review of historic/current aerial photos	Recommended 20 AUG 96 photos	Recommended (*Worksheet 2)	Worksheet 2 required
07 and 15 DEC 1999	Review of Federal, State and local regulatory records (Worksheet 2, Part 2)	Make State and County contacts Also BLM	Make State and County contacts (or *Worksheet 3)	Worksheet 3 required
20 DEC 99	Complete field inspection of adjacent property	View from subject property and note on Worksheet 5	View from subject property and note on Worksheet 5	Worksheet 3 required
20 and 21 DEC 1999	Conduct interviews- Informal interviews conducted w/ USFS personnel. We concluded formal interview not necessary.	Recommended (*Worksheet 4)	Recommended (*Worksheet 4)	Worksheet 4 required
20 DEC 99	Complete site inspection of the property	Worksheet 5 required Completed	Worksheet 5 required	Worksheet 5 required
	Concurrence of uncontaminated determination by appropriate environmental agency	N/A	N/A	Required
	Provide results of noncontamination to State and public			Written notice + incorporate into NEPA disclosure

TFGO = Termination of Federal Government Operations (eg: conveyance of administrative site, FS nursery, etc.).

* The most stringent documentation is required on TFGO sites (statutory requirement). Other sites will also require this higher level of documentation if there are indicators the past history could include contamination opportunities. Follow TFGO instructions/documentation if there is any likelihood of potential risk or if not enough information is known about the parcel to judge it as a low risk.

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Summary

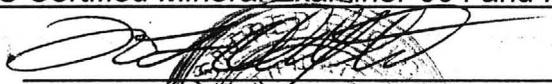
Based on the Land Transaction Screening Process, as documented on the above noted worksheets, I find that :

III.	The NON-FEDERAL real property has been examined through the Land Transaction Screening Process and findings are as follows:
Yes	
Yes	No hazardous substances, petroleum products, or other contaminants have been identified. No further investigation is required.
Yes	Hazardous substances, petroleum products, or other contaminants were suspected. Further investigation has been referred to the CERCLA Coordinator; CERCLA Coordinator recommendation is attached and indicates no hazardous substances or petroleum products were identified.
Yes	Other results of the transaction screening not already noted include the following (for example, presence of solid waste). Arrangements have been made for removal of these materials.

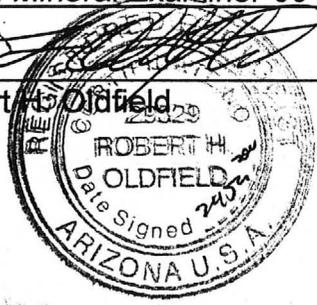
Name and Title of Person (s)

Performing Land Transaction Screening: Robert H. Oldfield, R.G., AZ Registered Geologist 29829, USDA-FS Certified Mineral Examiner-004 and Michael R. Grivois, Geologist

SIGNATURES:


Robert H. Oldfield

24 July 2000
Date




Michael R. Grivois

1/24/00
Date

CERTIFICATION: I have reviewed the results of the Land Transaction Screening Process and certify that, to the best of my knowledge, there is no evidence of release, storage, or disposal of hazardous substances or petroleum products.

Date: _____

Line Officer Signature: _____

(For non-FEDERAL parcels the easiest way to obtain the ownership history of the property is to request a "chain-of-title" listing (at least back to 1940) from the title insurance provider when the title insurance commitment is ordered. The listing should include the names of the grantor (seller), grantee (buyer), and the county record book and page or document number. With these numbers the recorded deed can be located and reviewed for details, if necessary.)

The above technique for FEDERAL properties may be used, but often the information is already available in the Status Records. Older acquisitions may include an abstract of the property title in the file or on microfilm. In many western areas of the United States the tract may never have been conveyed out of the public domain, and a majority of eastern NFS lands were acquired prior to 1940. In most of these situations it is sufficient to simply report that the FEDERAL parcel has been in FEDERAL ownership since 1940.

2. Aerial Photographs

Date	Flight No.	Photo No.	Summary of General Observations
01 JUN 96	196	46 and 47	No unusual observations.

(A review of the latest aerial photographs for a tract(s) and the surrounding lands is important in preparing to examine the property. Look for structures, surface water, barren areas, roads, utility lines, and other indicators of past and present use. Review of older photos can be helpful in noting locations of razed structures and sometimes existing structures that do not readily appear on recent photos; changes in topography that could indicate land fills, or spoil banks; and changes in type of use or use patterns.)

3. Forest Service and/or Other Pertinent Records Reviewed and Summarize Findings

- I discussed the subject tract with Ms. Emily Garber, Lands Specialist, Tonto NF. She stated that she and others made a site visit to the subject in 1991. My observations mirrored hers. It was the consensus of the visiting team that there were no problems with the tract. I received a similar response from Mr. Delvin Lopez, District Ranger, Cave Creek RD.
- A comprehensive records search at ADEQ, BLM, AZ Mines and Minerals and AZ Mines Inspector's Office by Geologist Mike Grivois revealed no CERCLA sites, spills or any other environmental problems.
- A comprehensive search by myself on the US EPA Web site of the area also revealed no notice of environmental problems.

A list of FS file designations and subject areas which might contain references to hazardous materials follows this worksheet. The list is not intended to be either "all encompassing" or the "minimum required." Its purpose is to suggest subject areas that may be applicable. Whether they are or not will depend on the property being researched and what is known of its use history. Look for files referencing the tract being reviewed (i.e., 2470 Silvicultural Practices - Compartment Folders) and check them for information on possible hazardous substances and petroleum products.)

Signature of Person Compiling Property/Record Search: _____

Names: Michael R. Grivois Title: Geologist
Robert H. Oldfield, RG Title: Geologist

PART 2 - RECORD AND FILE SEARCH

X Real Property

X Adjacent Property

Identification of adjacent property: USFS Lands
Private Lands

Use this portion to document relevant information found in Forest Service files and/or obtained from other Federal/State/local agency records. If information relating to a specific question is not found, circle "no".

1. Is there any record of hazardous substances or petroleum products being stored, released or disposed of on the property (for example, interview worksheet 4, State and EPA hazardous site lists)? If yes, attach a list describing the type(s), quantities involved, and approximate dates. If yes, is there an environmental threat to the real property? yes **NO**

2. Has an environmental investigation of the property ever (1) indicated the presence of hazardous substances, petroleum products or other potential environmental problems on the property, or (2) recommended further assessment of the property? If yes, explain and provide the information sources (for example, State hazardous site lists 5420/5430 acquisition files, 6740.): yes **NO**

3. If an environmental investigation (see question 2) identified contamination of the property, is there information indicating that remedial activities have not been initiated or have been effective in reducing or eliminating the contamination? If yes, explain and provide information source (for example, State hazardous site data, 6740): yes no

Not Applicable

4. Are there any operating or abandoned water wells on the property? If yes, explain and provide information sources (for example, interview worksheet 4, State water well registry): yes **NO**

The on-the-ground and record review did not reveal the presence of any water wells.

5. If the property is served by a private well, has contamination ever been identified in the well that exceeded acceptable levels? If yes, explain and provide information sources (for example, State water well registry, water quality data): yes no

Not Applicable

6. Are there any permits or plans related to activities such as air/water discharges, mining or oil and gas exploration, or soil or hazardous waste treatment, storage or disposal? If yes, explain and provide information sources (for example, State hazardous substance sites list, 2720 & 2820 files):

yes

NO

None revealed in USFS and USDI-BLM records review.

7. Have there been any compliance or environmental notices issued? If yes, explain and provide information sources (for example, State hazardous substances office, EPA Region):

yes

NO

8. Have there ever been any registered/unregistered storage tanks (above or underground) located on the property, particularly for storage of hazardous substances or petroleum products? If yes, explain and provide information sources (for example, State UST and LUST records, aerial photos and maps):

yes

NO

A careful search of the area around the evidences/structures did not reveal the presence of any UST's, AST's or LUST's. However, it is likely fuels for heating and operating generators and mining equipment probably were used and stored on site without a permit. However, no evidence remains.

9. Is there any information indicating an environmental lien against the property, or notice of past or recurrent violations of environmental laws with respect to the property? If yes, explain and provide sources (for example, County deed records and court judgments):

yes

NO

10. Is there any information in the chain of title that indicates commercial or industrial use on the property? If yes, explain and provide information sources (for example, Title insurance company, abstract company, county deed records):

YES

no

Since mining is an industrial use, it is apparent that the patent that severed fee title from the US to the owner of the claims is an indication that "commercial or industrial use" was anticipated. Prospecting, some exploration and some mining occurred on the subject tract. No other commercial or industrial use could be documented.

11. Are there any records that indicate the existence of transformers, capacitors or hydraulic equipment containing PCB's? If yes, explain and provide information sources (for example, State hazardous substance site records, local electric utility):
- yes NO

There is no evidence, but it is probable that mechanized equipment was used. However, there is no evidence that electricity was brought on the subject or that transformers (with or without PCB's) were present on site.

12. Is the property listed on the National Priorities List (NPL) or CERCLA Information System (CERCLIS) or Docket List; listed as an RCRA transport, storage, or disposal (TSD) facility; listed by the State environmental agency as their equivalent of an NPL site or a CERCLIS site; listed on the LUST (Leaking Underground Storage Tank) List; or listed as a solid waste or landfill facility? If yes, explain and provide information sources (for example, Environmental data base search service):
- yes NO

13. Have there been any special use permits, leases, Plans of Operation or concessionaire activities, including mining, landfills, solid waste transfer facilities, log transfer facilities, small arms ranges, silviculture, lodges, resorts, or campgrounds, associated with the property? If yes, explain and provide information sources (for example, Interview worksheet 4; aerial photos and maps; 2720, 2820, 2470 files):
- yes NO

Prospecting, exploration and mining did occur on the subject under the authority of the 1872 Mining Act. The lode claims making up the Mineral Survey were located between 1901 and 1906. The Mineral Survey was completed and approved on 18 FEB 1907, prior to the establishment of the Tonto NF in 1909. This indicates to us that prospecting, exploration and mining were done with explosives, hand tools and primitive hydraulic tools, run by steam. Such activity occurred before the enactment of Forest Service regulations requiring such activity to submit a Plan of Operations, Notice of Intent or any other documentation before the land was patented and removed from the public domain. There is no evidence to show that the lands were under any lease, permit or license before going to patent. It is also probable that the property has been accessed by geologists and mining engineers at various times to examine the property for acquisition for evaluation or continued mining. Normally, further evaluation is usually followed by core drilling, shaft and adit sampling and geophysical examination. We have found no record to indicate that any of this work was either proposed or carried out

14. Have activities (Forest Service or other) on the property included any of the following: nurseries, warehouses, vehicle maintenance, mixing of chemicals, paints, pesticides, petroleum products or wastes? If yes, explain and provide information sources (for example Interview worksheet 4, aerial photos and maps):

yes

NO

15. Is there or has there been a Forest Service Job Corps Center or work center located on the property? If yes, explain and provide information sources (for example, Interview worksheet 4, aerial photos and maps):

yes

NO

16. Have there been any public complaints about the property regarding dumping, burning, or odors? If yes, explain and provide information sources (for example, State hazardous substance sites list):

yes

NO

17. Are there any adjacent properties where there has been a release of a hazardous substance or petroleum product, or that are listed on the National Priorities List (NPL), or CERCLA Information System (CERCLIS) or Docket List; listed as an RCRA transport, storage, or disposal (TSD) Facility; listed by the State environmental agency as their equivalent of an NPL site or a CERCLIS site; listed on the LUST (Leaking Underground Storage Tank) list; or listed as a solid waste or landfill facility? If yes, explain and provide information sources (for example, Environmental data base search service):

yes

NO

18. On the basis of a review of fire insurance maps or consultation with the local fire department serving the property, are there any buildings or other improvements on the property or an adjoining property identified as having been used industrially, or for other purposes likely to lead to contamination of the property? If yes, explain and provide information sources (for example, Local fire department, environmental data base search service):

yes

NO

Fire insurance maps were not consulted, but it is obvious that one structure had been used for mining purposes. The other structure was built and occupied by a squatter who had no interest in mining, and burned the structure down after being evicted. It is also unlikely that fire insurance maps would cover the subject, and unlikely that anyone could get fire insurance on a structure located on the subject due to remoteness and poor access.

NOTE: If records indicate hazardous substances, or petroleum products, or other contaminants may be present, consult with your unit's CERCLA Coordinator. OSHA requires specialized training prior to conducting inspection of facilities/sites which contain hazardous substances or petroleum products.

Name and Signature of Person

Conducting Records Review: Michael R. Grivois, Geologist

A handwritten signature in black ink, appearing to read "Michael R. Grivois", written over a horizontal line.

Date(s) of Searches: 08 and 15 December 1999

**WORKSHEET 3
ADJACENT PROPERTY SITE EXAMINATION**

Case Name BLOODY BASIN TRACT

Case Number PLC-006B

Tract 1 of 1 tract. NOTE: All lands adjacent to tract are Federal Lands owned by the United States of America and managed by the USDA-Forest Service.

Use this worksheet to record information relating to adjacent property. Use one worksheet if the history and current use of each of the adjacent properties is similar. If adjacent properties have dissimilar history or current uses, additional forms should be completed. Answer each question "yes", "no", "not applicable (N/A)", or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of the particular issue. Provide explanations as needed.

Briefly describe the adjacent property, including ownership/operational history.

The adjacent property consists of lands covered by pinyon-juniper vegetative type used for grazing. It is likely the area is used by recreationalists for dispersed recreation activities and hunters.

If a physical inspection of the adjacent property was conducted (per CERCLA section 120(h)(A)(v)), briefly describe the extent of the site inspection. If a physical inspection was not conducted, explain why not.

We personally inspected adjacent property on all sides of the subject tract. The entire perimeter of the subject was observed.

If prevented from a physical inspection, briefly describe any limitations encountered in performing a visual inspection.

Not Applicable. We were able to make a physical inspection of the adjacent property.

Record Search

Has a release of a hazardous substance or petroleum product from an adjacent property been reported to an environmental regulatory agency, or emergency response authority? If yes, explain any potential impact to the real property.

yes N/A
NO unknown

**WORKSHEET 2
FOREST SERVICE AND PUBLIC RECORDS**

Case Name:

BLOODY BBASIN TRACT
(MS-2359)

Case Number :

PLC-006B

Tract 1 of 1 Tract

Federal Tract

Non-Federal Tract

Property Description (Optional) The property consists of several patented mining claims that were incorporated into Mineral Survey (MS) 2359, locally known as the Rosalie Mine. The claims were located and subsequently patented and mined for copper. Most of the ore mined appears to be oxide ores; however, there was evidence that some sulfide ores may have been mined as well. There is one open adit with two subsidence craters associated with it. There are several small prospecting pits and one shaft with a wooden headframe. Three mine waste dumps were identified. It appeared that there was a crushing mill site near one of the dumps. There is no millsite associated with the patent, so it is likely all ore processing (with the exception of crushing) was done off-site, perhaps at Dewey or Humboldt., AZ.. It is obvious very little ore was removed.

There are the remains of two structures on site. One appears to have been the mine office and residence. It is delapidated and collapsing due to weathering. The other was built by a squatter. The individual burned the structure down after being ordered to vacate.

The property is completely surrounded by National Forest land, managed by the Cave Creek Ranger District, Tonto National Forest..

Part 1 - PROPERTY OWNERSHIP AND RECORDS SEARCHED

Use this portion to document chain-of-title, summarize the history of ownership and use, and document records reviewed including aerial photographs.

1. Documentation of Ownership and Use

Date		Recording Info.	Owner Name
From: 10 JAN 75	To Present:	Book 947, Page 873, Yavapai County, AZ	ANAMEX MINING COMPANY

Lessee, Permittee, Claimant Name & Address (if any)	Use(s) of Property: (D) = Documented (S) = Suspected
<p>The property is MS-2359 on file with the BLM, as granted by patent recorded in Book 81 of Deeds, Page 280, Yavapai County, AZ</p> <p>ASARCO purchased the property for use in an uncompleted exchange with the USDA-Forest Service. The mineral rights are reserved by deed recorded in Book 947, Pages 871-872, Yavapai County, AZ.</p> <p>It is important to note that the mineral rights are outstanding to a third party, but are subject to the</p>	<p>The lode claims were located and subsequently patented under rights granted by the 1872 Mining Law. Prospecting, Exploration and mining have occurred on the property (D).</p> <p>The property is fenced and not used at this time for any purpose. (D)</p>

**WORKSHEET 5
SITE INSPECTION**

Case Name BLOODY BASIN TRACT

Case Number PLC-006B

Tract 1 of 1 Tract

Federal Tract

Non-Federal Tract

Briefly describe the property (size, type of vegetation, water bodies, type of access, etc.)

The property is a mineral survey consisting of the Hummingbird, Key, Blue Coat, Mammoth, Deposit, Black Lode, Arlington, Silver Reef, Rosalie and Cecil Lode Mining Claims in the Copper Creek Mining District. The Subject contains 189.732 surveyed acres (76.785 hectares, approximate). Vegetation is typical pinyon-juniper vegetation type. There are no standing bodies of water, although there are range and wildlife tanks to the southeast of the subject on National Forest land. All drainages are ephemeral and no springs or seeps were observed.

The property is accessed off I-17 at the Bloody basin exit. The subject is approximately 15.5 miles (25.3 Km) east off a spur south off the Bloody Basin road (See map). The road to the mine dead-ends at the Rosalie tank and , from the condition of the road, appears to have very little traffic. The road east of the property entrance is in very poor repair; it is badly washed with gullies almost 1 foot (25 cm) deep.

Use this worksheet to document your site visit. Answer each question "yes," "no," "not applicable (N/A)," or "unknown". Circle "N/A" when it is obvious that the issue addressed in the question does not apply to the property. Circle "unknown" if you are not in a position to be aware of a particular issue. Provide explanation as needed (for example, who, what, when, where, why).

Briefly describe the extent of the site inspection: We began our site inspection at 1000 hours and completed at 1300 hours 20 Dec 1999. We entered the tract from access road at the south of the subject and drove in to where it dead-ended at two mine dumps (see map). We made a conscientious inspection of the structure remains, mine dumps, adit, subsidence and all prospects. The photographs document our inspection. While we did see the entire perimeter of the subject tract, our investigation was concentrated in the area containing the prospecting, exploration and mine workings.

Weather conditions during site inspection:

The weather was ideal for this visit. There were few clouds, very little wind, no precipitation and nothing (such as fog) to obscure our view. It was obvious that there had not been any precipitation in some time.

1. Is there any indication that the property has ever been used for agriculture, commercial or industrial purposes? If yes, explain:

yes
NO

N/A
unknown

2. Is there any evidence of past or present improvements, such as old building foundations on the property? If yes, explain: _____ **YES** N/A
no unknown

The USGS quad and aerial photo indicated two structures on site. One is a wooden structure that is collapsing due to weathering and was probably used as a mine headquarters and housing. The other was just north of this structure. It was built by a squatter seeking possession of the land through adverse possession. The individual built a house with a concrete pad and brick fireplace. He placed an asphalt water tank about 150 feet (45 m) up hill to collect rain water and gravity feed to the house. Upon discovery, ASARCO sought and won eviction orders against the squatter. Before leaving, the individual completely destroyed the home by burning (with the probable help of gasoline and diesel fuels). The charred remains are documented in the photographs. The only other improvement found (other than diggings) is a wooden headframe and wood-lined shaft north of the open adit. The photographs document our discoveries.

3. Are there any unnatural topographic features (for example, mounds fill areas, depressions, etc.)? If yes, explain: _____ **YES** N/A
no unknown

There are two subsidence cavities into the mine workings east of the "squatter" structure. Both were difficult to photograph due to finding a good vantage point. Both appear to be stable, but are hazards to humans and animals. They were likely formed when the mine workings came too close to the surface and the weathered rock forming the roof could not support the weight above it.

4. Is there any indication that fill dirt has been brought onto the property? If yes, explain _____ **yes** N/A
NO unknown

5. Is there any indication that the following have been dumped above grade, buried and/or burned on the property: hazardous substances or petroleum products (except when burned for heating purposes), tires, automotive or industrial batteries, vehicles, barrels, pesticide containers or any other solid waste materials? **yes** N/A
NO unknown
If yes, explain: None of the following were found nor expected to be present on the subject tract.

6. Is there any indication of mining activity or oil and gas exploration/development on the property? If yes, explain: _____ **yes** N/A
NO unknown

7. Are there any pipelines or utility lines, either buried or overhead, crossing the property and is there evidence of any spills or releases associated with them? If yes, explain: _____ **yes** N/A
NO unknown

8. Are there damaged or leaking transformers or capacitors containing PCB's on the property? If yes, explain: yes
NO N/A
unknown

9. Has there been any storage, mixing or disposal of pesticides on the property? Note: Disposal means other than normal intended use of the product. If yes, explain: yes
NO N/A
unknown

10. Have any wells (for example, water or monitoring) been drilled (dug or driven) on the property? If yes, explain: YES N/A
no unknown

There is a 20 foot (6 m) shaft that is partially wood-lined and has a wooden headframe. The shaft flanks two shallow prospects (see maps and photos). The shaft resembles a well, but also resembles an exploration shaft, as it is dug into the mineralized fault. It was possibly dug with both purposes in mind. However, this appeared to be an unusual location for a water well because of its proximity to the head of an ephemeral drainage. Normally, old miners built spring boxes at those locations to capture water during the rainy seasons. There are no known monitoring wells on the subject property.

11. If surface water is present, are there any unnatural characteristics (for example, such as color, sheens, odors, etc.)? If yes, explain: yes
NO N/A
unknown

12. Are there any pits, ponds, or lagoons on the property that appear to be associated with waste treatment or disposal? If yes, explain: yes
NO N/A
unknown

13. Is there a discharge of waste water (excluding storm water runoff) on or adjacent to the property? If yes, explain: yes
NO N/A
unknown

14. Are there any areas of stained soil, any unnatural odors or areas with stressed or dead vegetation? If yes, explain: yes
NO N/A
unknown

15. If structures are present, are floors, drains or walls stained by substances other than water, or are they emitting foul and/or unnatural odors? If yes, explain: yes
NO N/A
unknown

Structures are/were present and documented above. A conscious examination of the area did not reveal to us the presence of any unusual stains or odors.

**Legal Description
ASARCO Properties**

1. Tonto Creek Tract

In Gila County, Arizona

T6N-R10E

Section 14 NE $\frac{1}{4}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
Section 23 NW $\frac{1}{4}$ NE $\frac{1}{4}$
Section 24 W $\frac{1}{2}$ SW $\frac{1}{4}$
Section 25 N $\frac{1}{2}$ NW $\frac{1}{4}$ and E $\frac{1}{2}$ SW $\frac{1}{4}$ except the S330'

Consisting of 350.00 A

2. Bloody Basin Tract

In Yavapai County, Arizona

T9 $\frac{1}{4}$ N-R4E

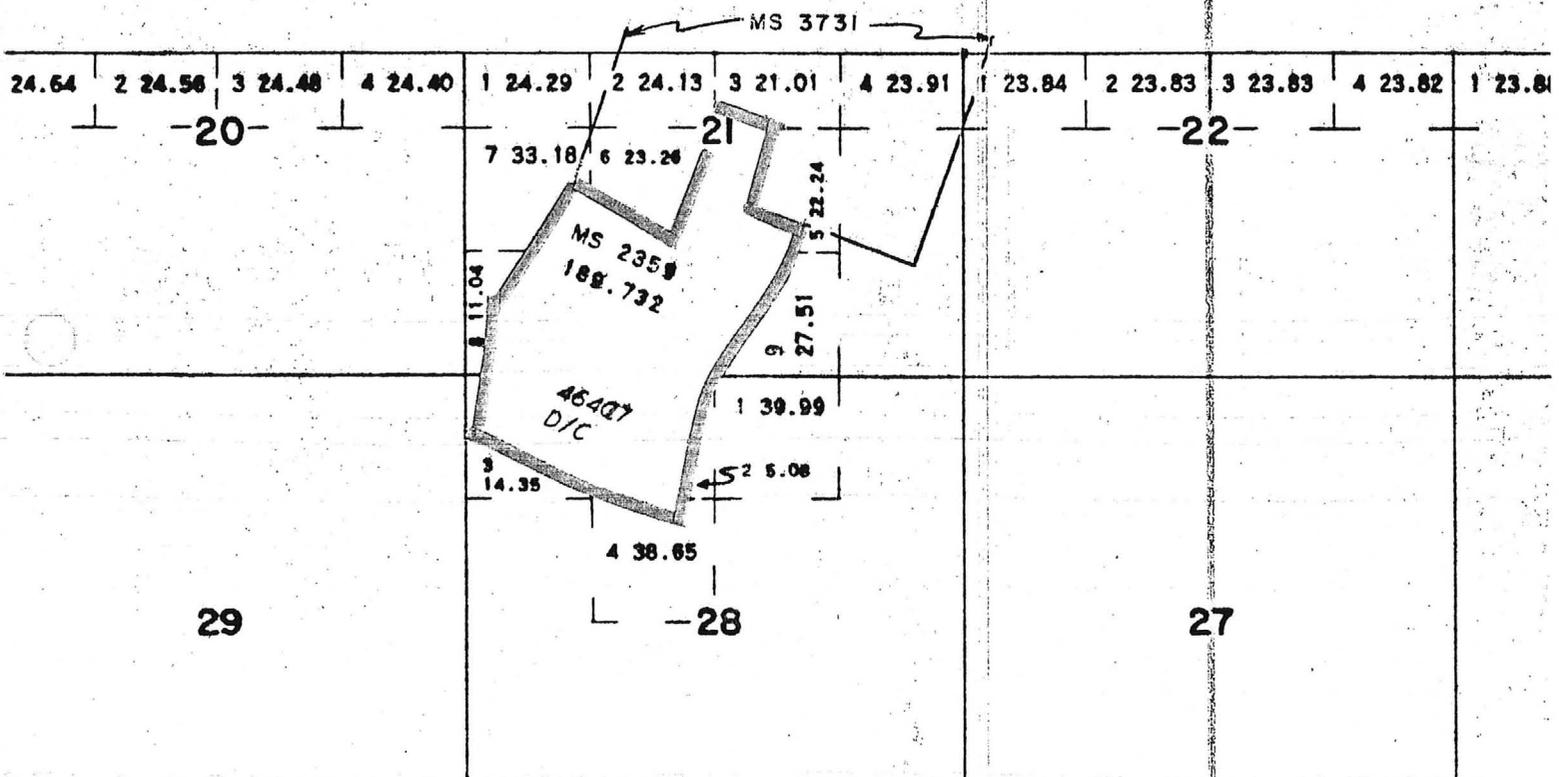
In portions of Sections 21 and 28

MS 2359 – consisting of
Hummingbird, Key, Blue Coat,
Mammoth, Deposit, Black Lode,
Arlington, Silver Reef, Rosalie and
Cecil Lode Mining Claims in the
Copper Creek Mining District.

Consisting of 189.732 A

T9 1/2 N-R4E

MS 2359
189.732 A



Legend

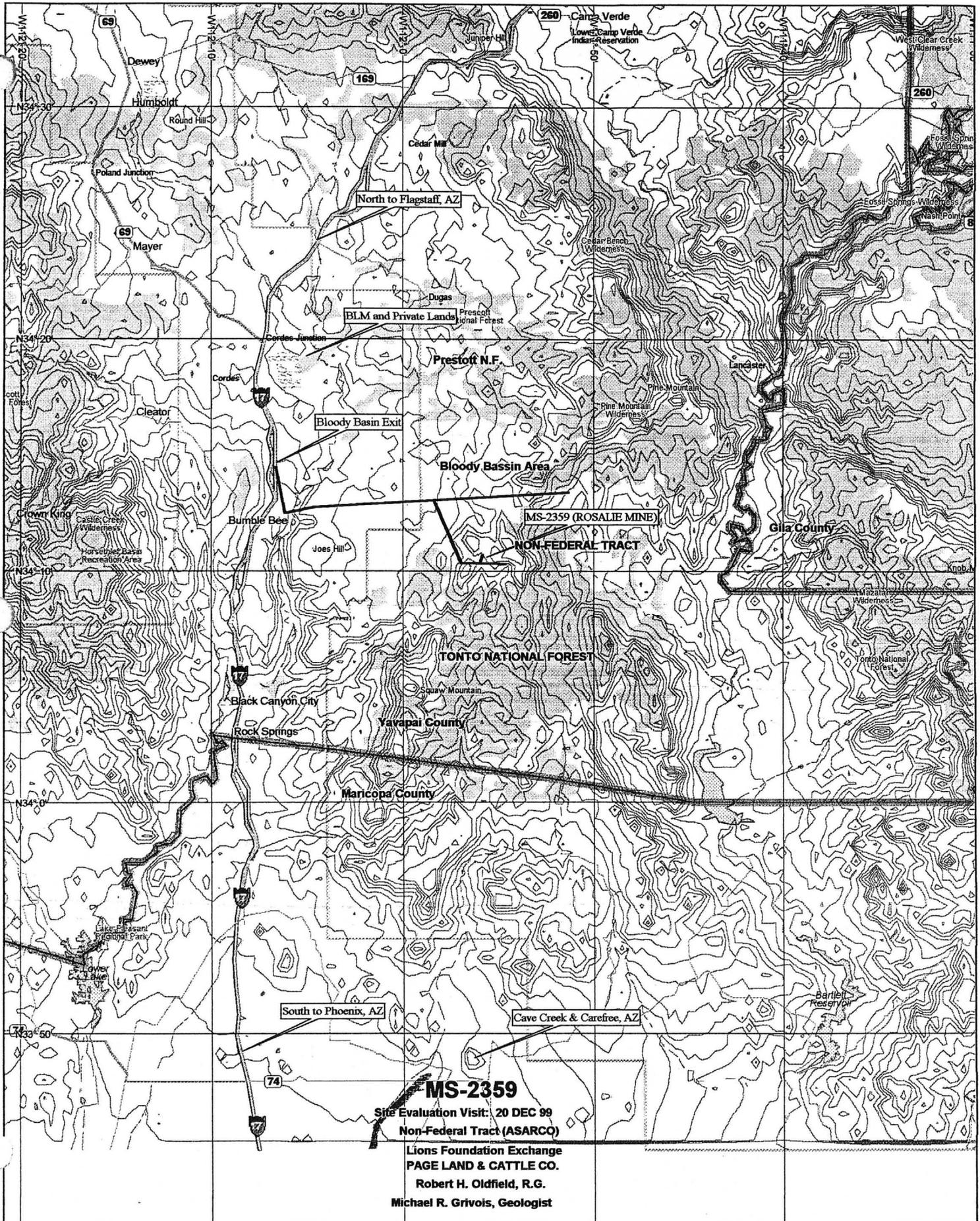


- Bloody Basin Tract

32

33

34



MS-2359

Site Evaluation Visit: 20 DEC 99
 Non-Federal Tract (ASARCO)

Lions Foundation Exchange
 PAGE LAND & CATTLE CO.

Robert H. Oldfield, R.G.

Michael R. Grivois, Geologist

R. 2 E.

FLAGSTAFF 84 MIL.

T. 10 N.

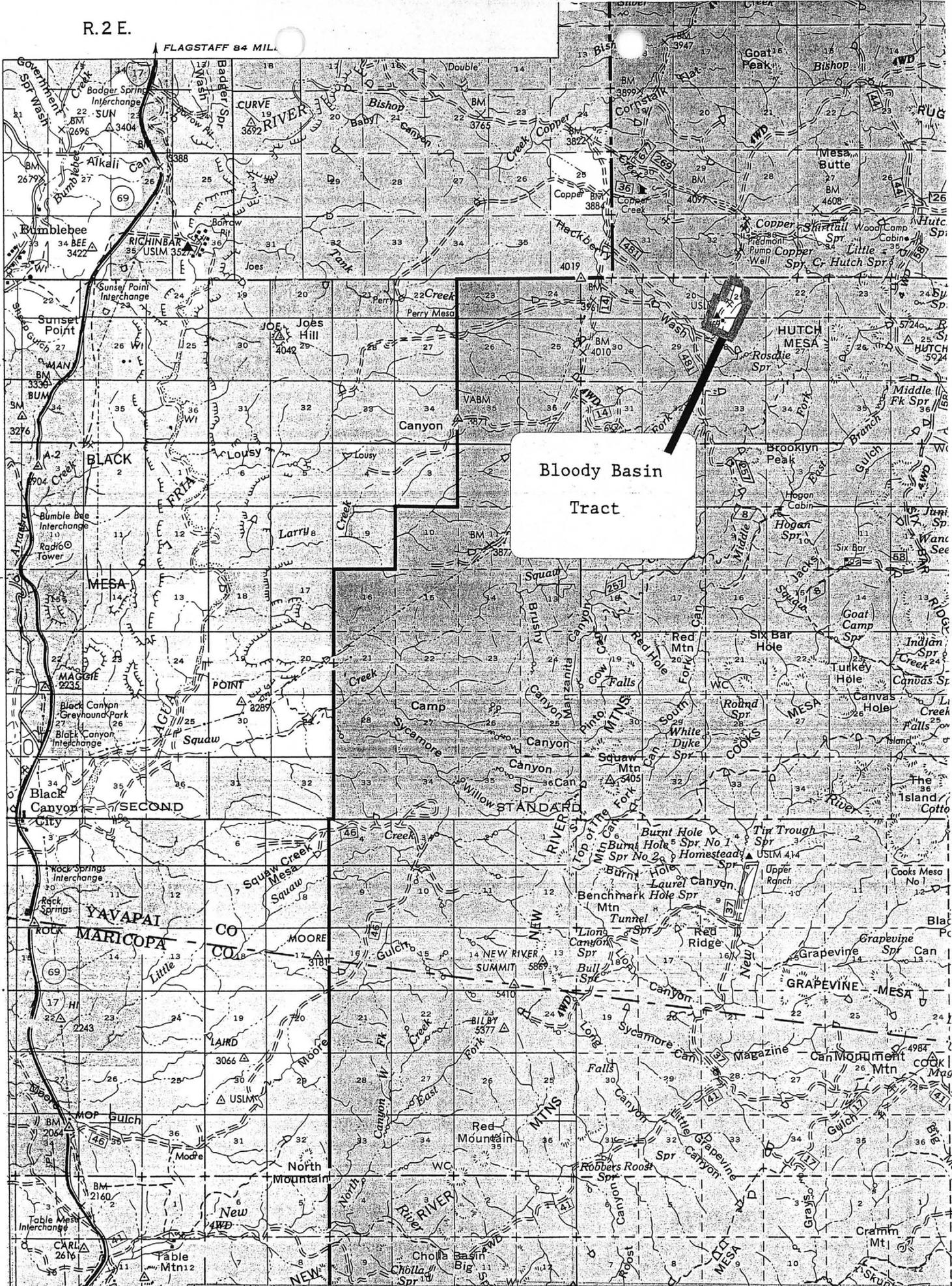
T. 9 1/2 N.

T. 9 N.

T. 8 N.

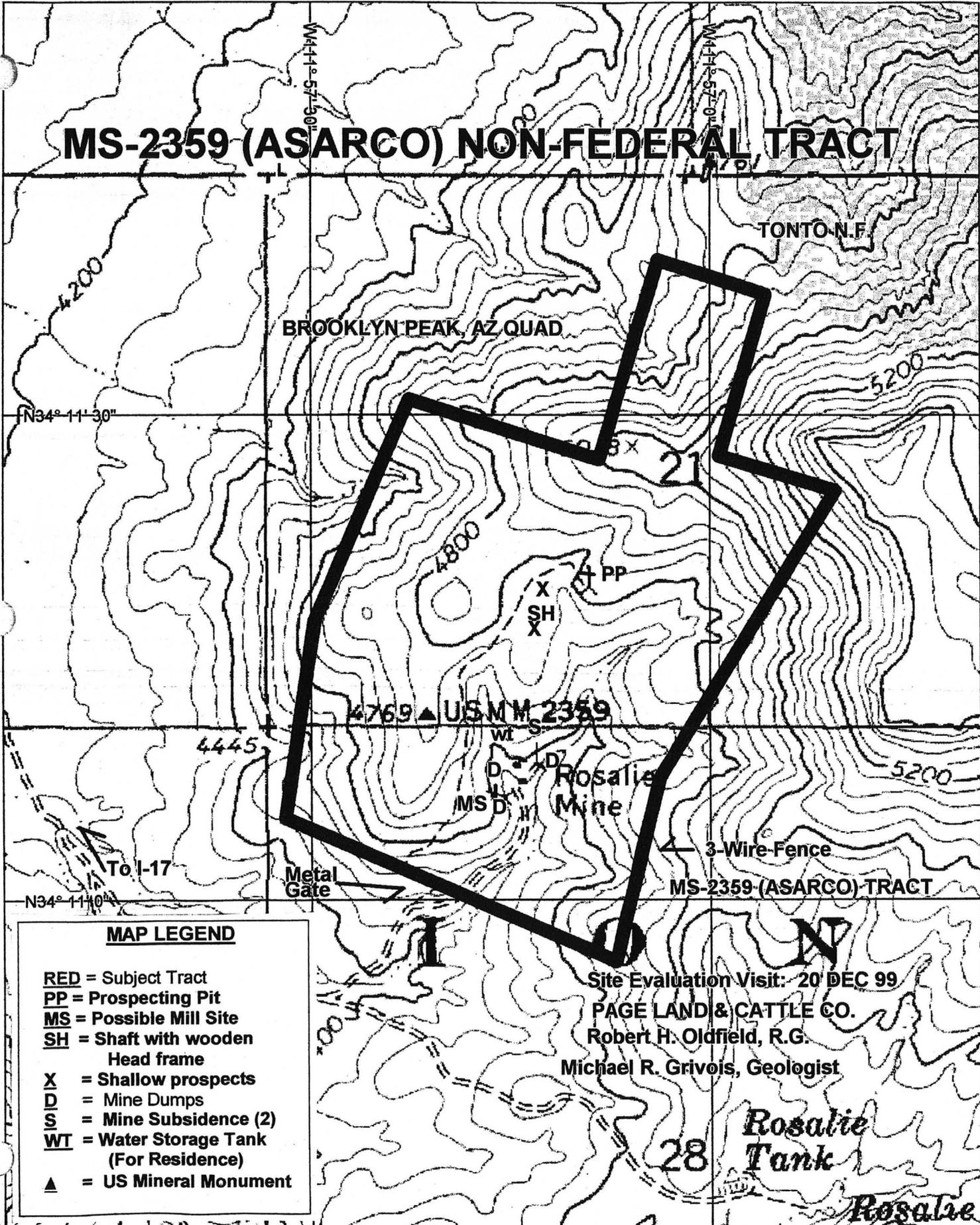
R. 3 E.

R. 4 E.



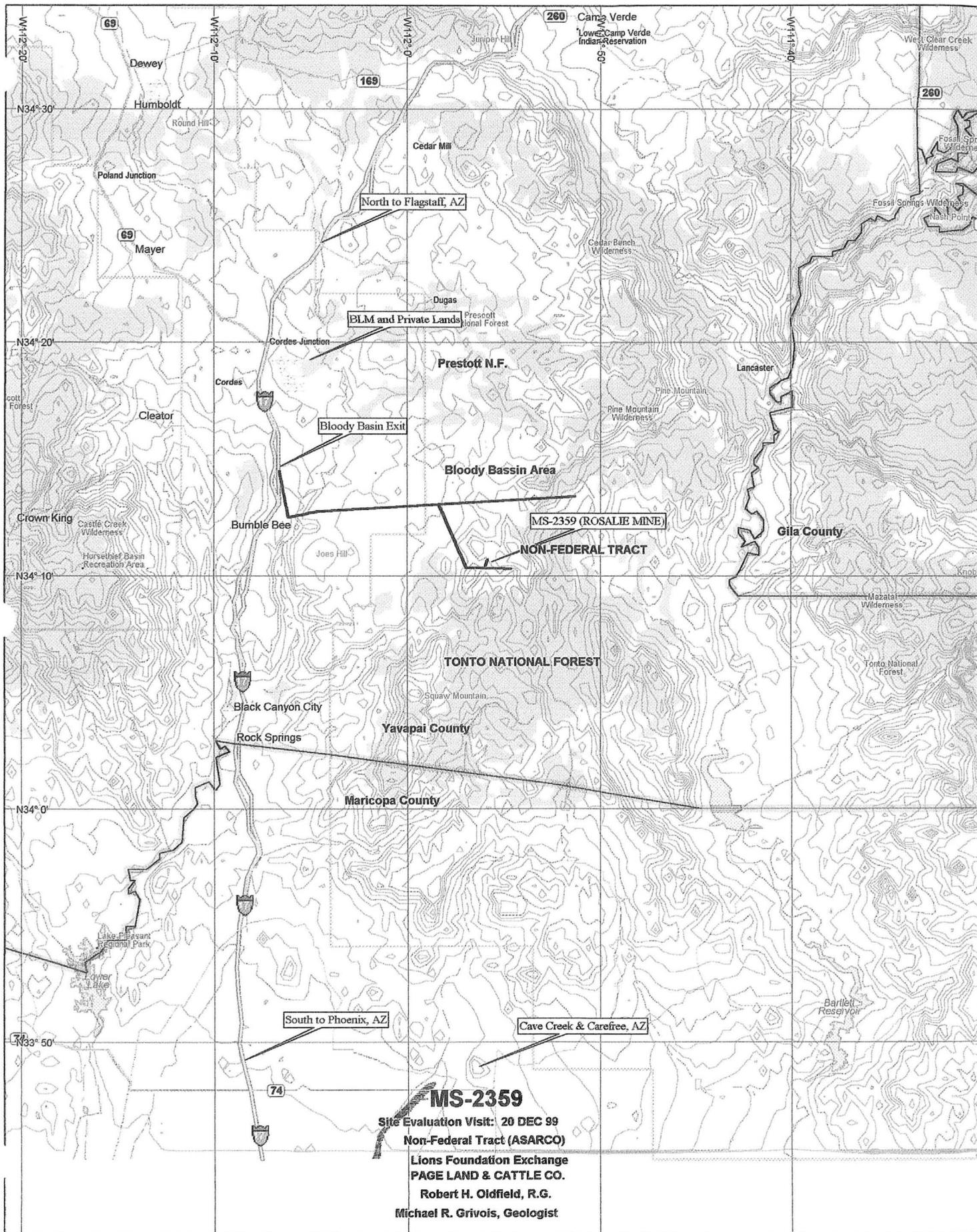
Bloody Basin
Tract

MS-2359 (ASARCO) NON-FEDERAL TRACT

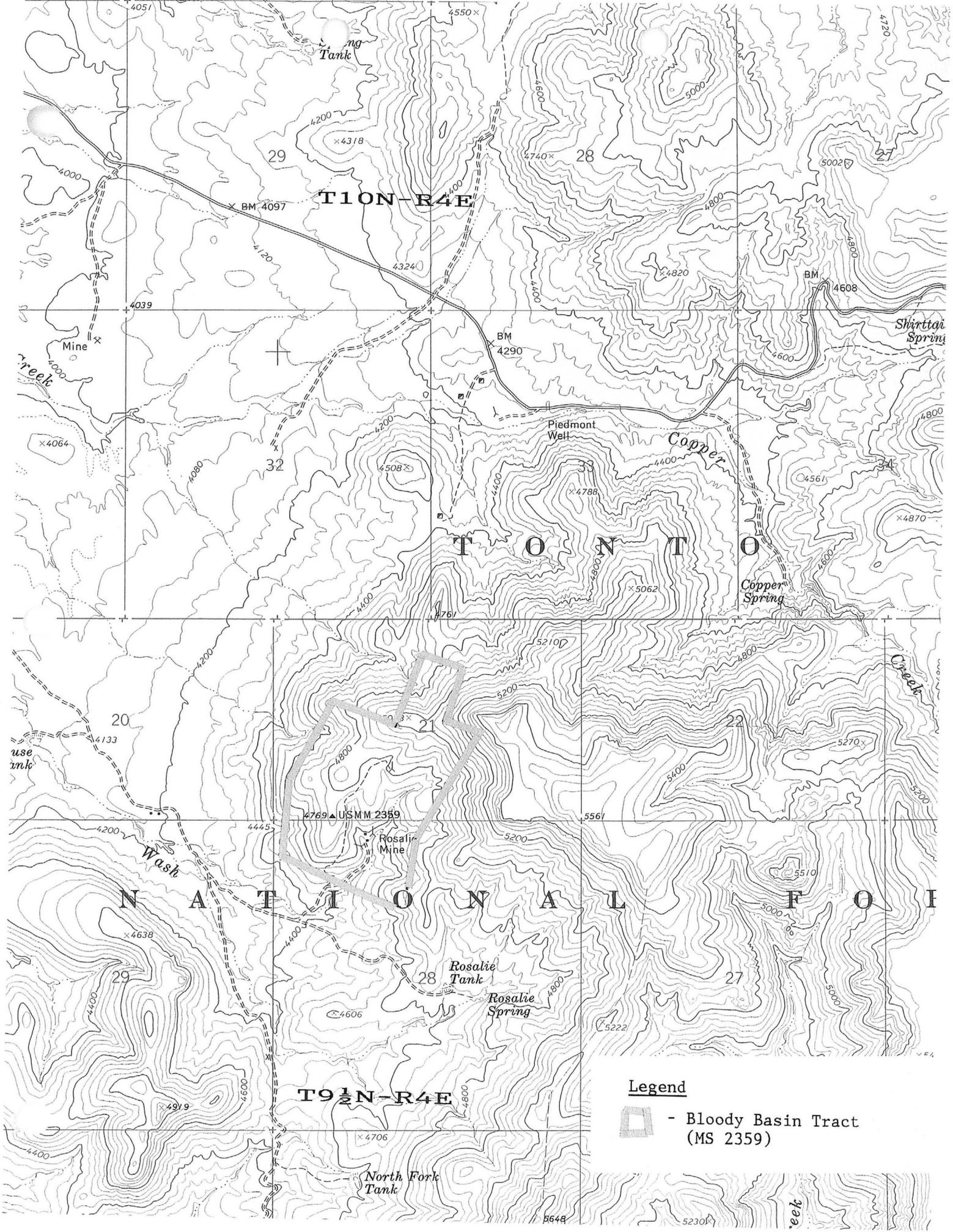


Site Evaluation Visit: 20 DEC 99
 PAGE LAND & CATTLE CO.
 Robert H. Oldfield, R.G.
 Michael R. Grivois, Geologist

Rosalie
 Tank
 Rosalie



MS-2359
 Site Evaluation Visit: 20 DEC 99
 Non-Federal Tract (ASARCO)
 Lions Foundation Exchange
 PAGE LAND & CATTLE CO.
 Robert H. Oldfield, R.G.
 Michael R. Grivois, Geologist



Legend

 - Bloody Basin Tract (MS 2359)

T10N-R4E

T20N-T21N

T9 1/2 N-R4E

North Fork Tank

Rosalie Tank

Rosalie Spring

Piedmont Well

Copper Creek

Copper Spring

Shirttail Spring

Wash Creek

Creek

reek

Mine

Mg Tank

North Fork Tank

R. 2 E.

FLAGSTAFF 84 MIL

10 N.

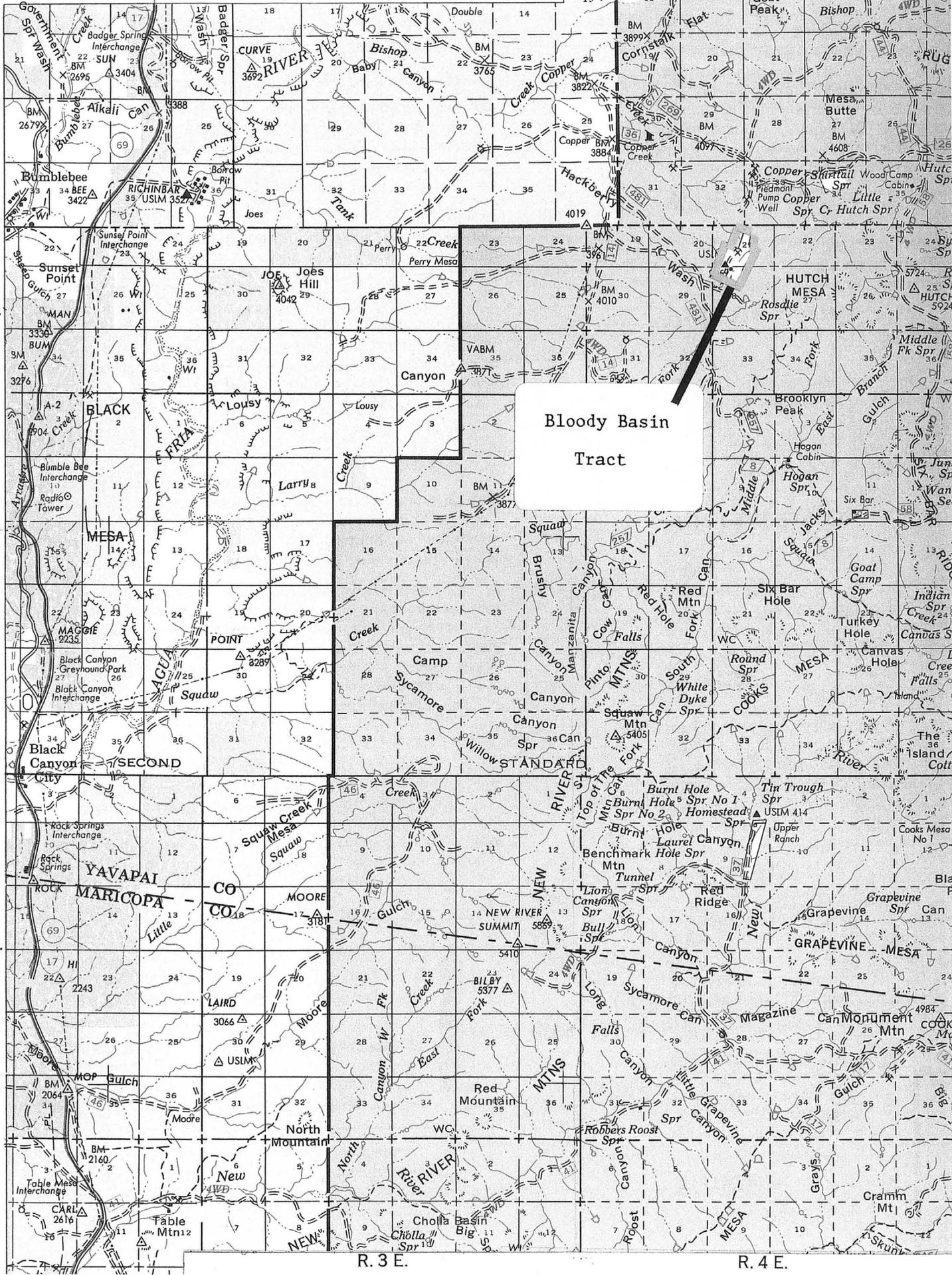
9 1/2 N.

T. 9 N.

T. 8 N.

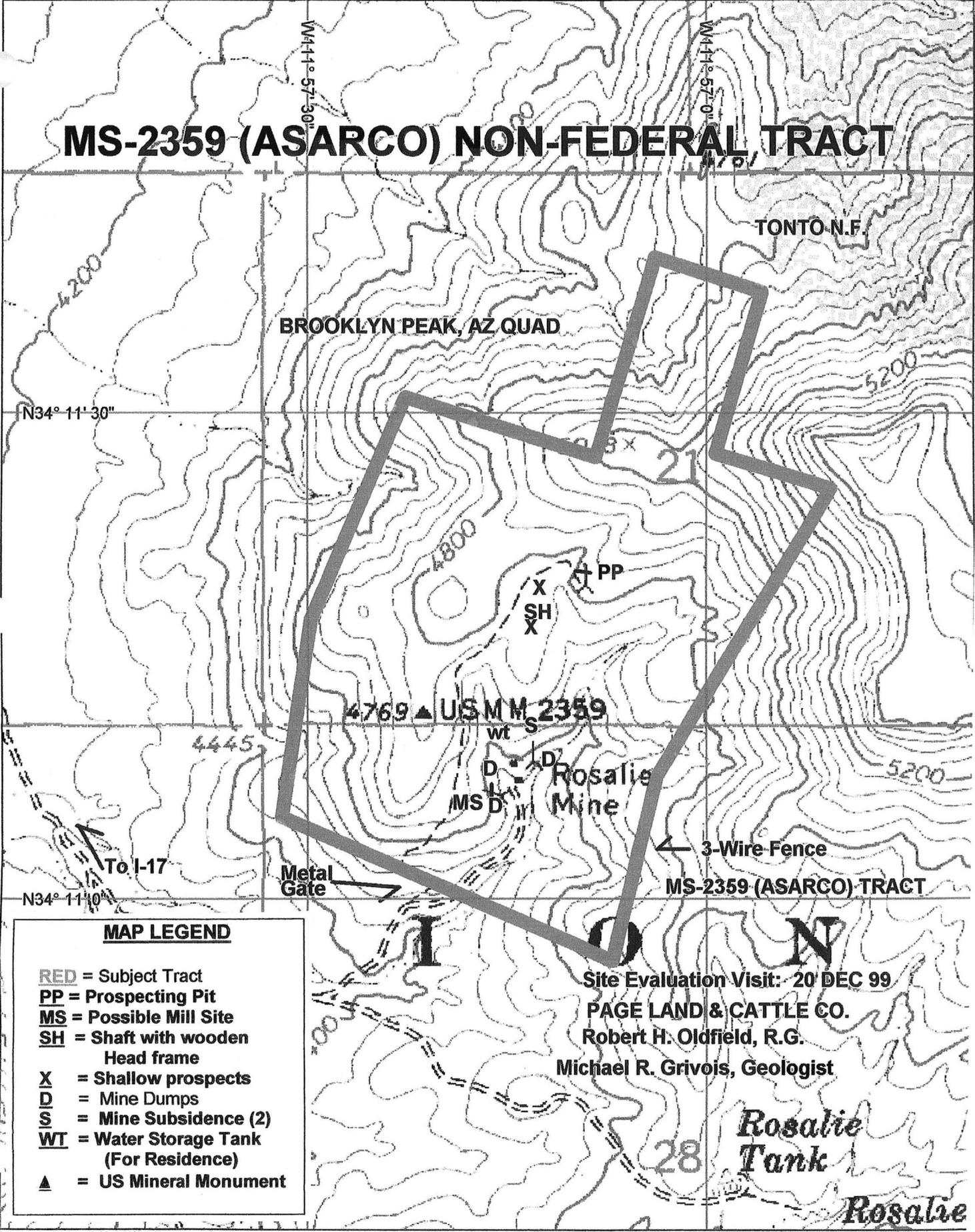
R. 3 E.

R. 4 E.



Bloody Basin Tract

MS-2359 (ASARCO) NON-FEDERAL TRACT



MAP LEGEND

- RED** = Subject Tract
- PP** = Prospecting Pit
- MS** = Possible Mill Site
- SH** = Shaft with wooden Head frame
- X** = Shallow prospects
- D** = Mine Dumps
- S** = Mine Subsidence (2)
- WT** = Water Storage Tank (For Residence)
- ▲** = US Mineral Monument

Site Evaluation Visit: 20 DEC 99
PAGE LAND & CATTLE CO.
 Robert H. Oldfield, R.G.
 Michael R. Grivois, Geologist

Rosalie Tank
Rosalie

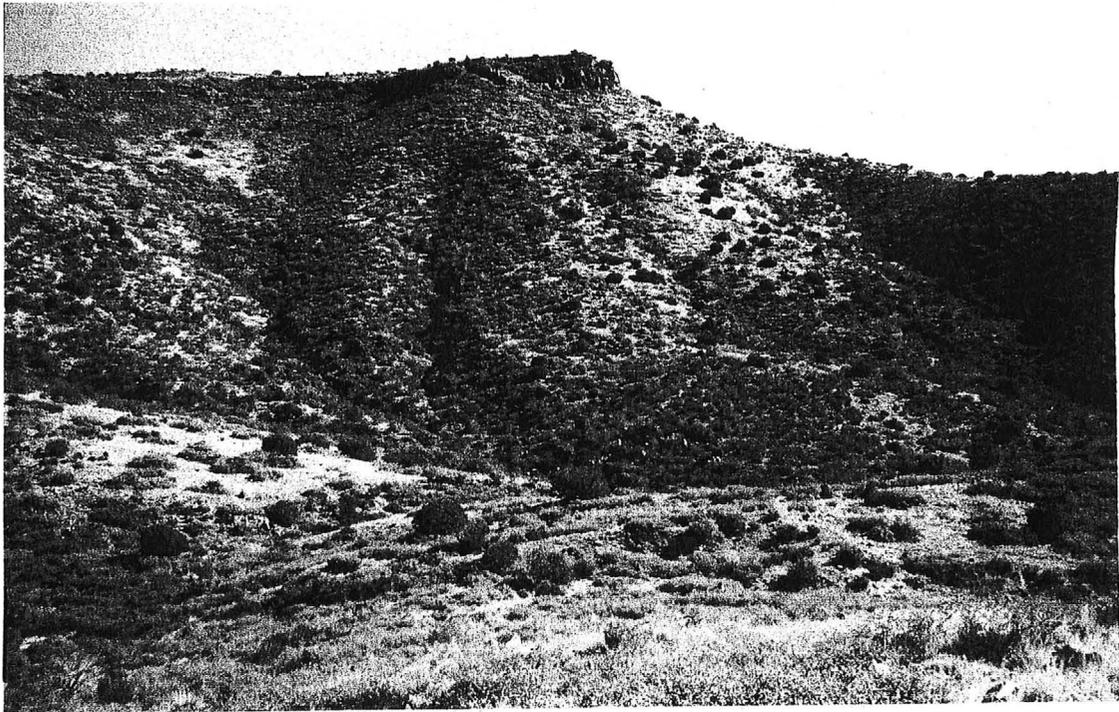


PHOTO 1: Typical view (south) of tract showing Pinyon-Juniper vegetation type. Volcanic cap exemplifies “inverse topography”. Photo by Oldfield.

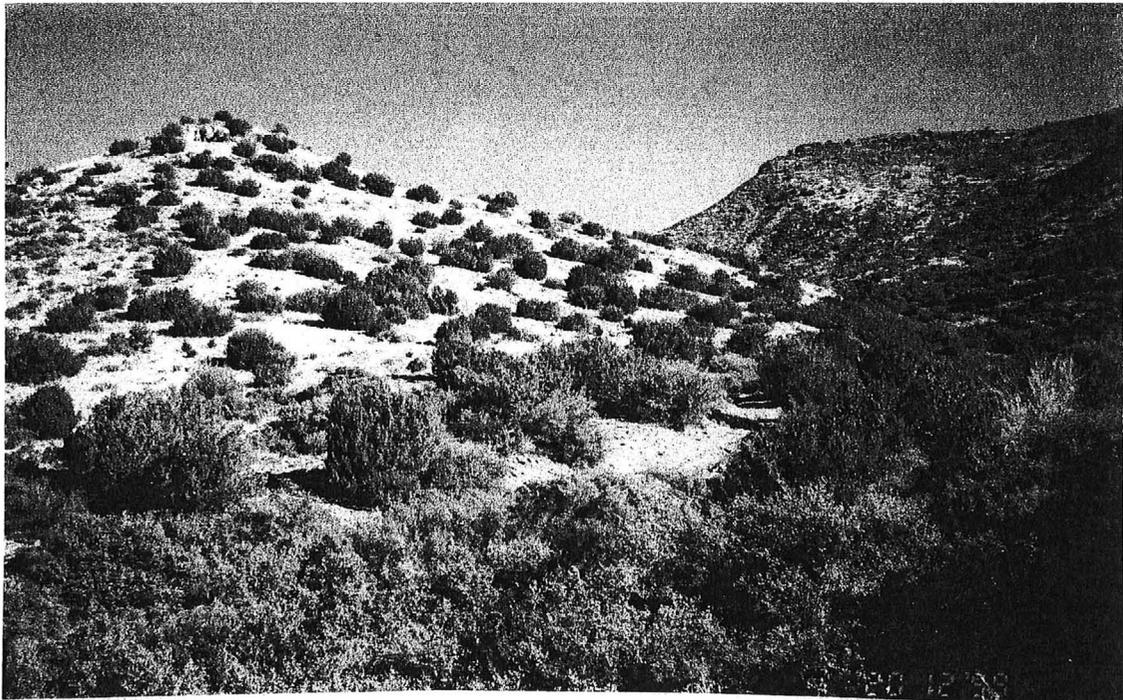
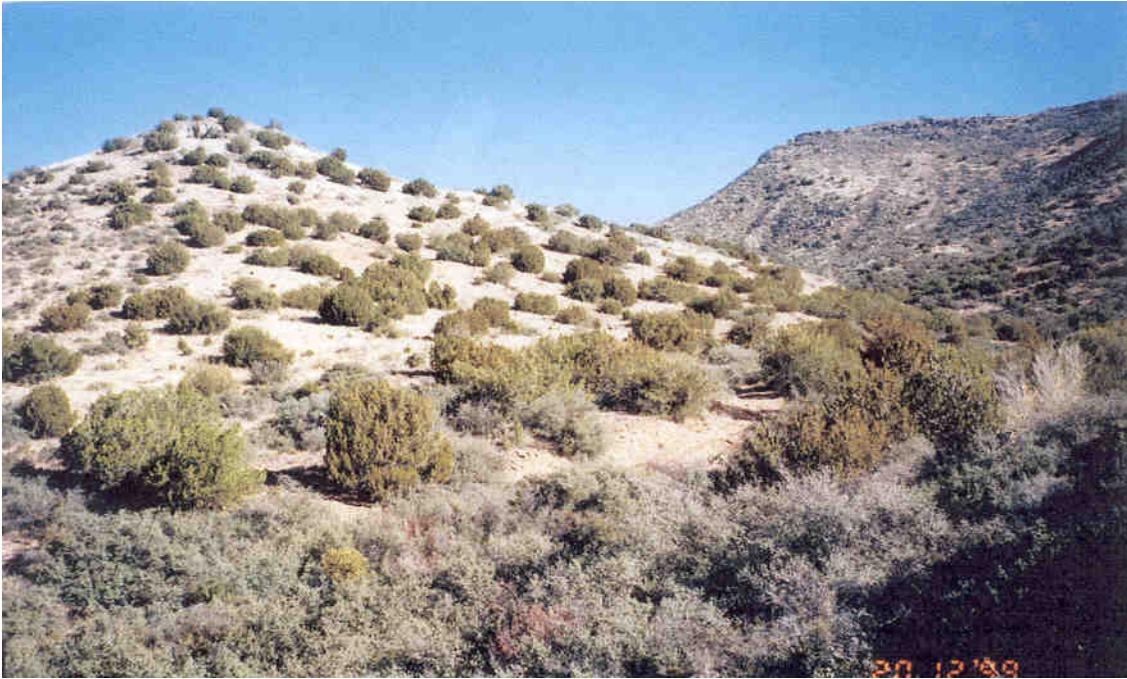


PHOTO 2: Another overview of part of the subject tract (north). Photo by Oldfield.





Photographs of the Site Evaluation Visit on 20 December 1999
Bloody Basin Tract (ASARCO-MS-2359)
Lions Foundation Exchange (Page Land & Cattle Co.)



PHOTO 3: View west from the tract towards the Bradshaw Mountains. Photo by Oldfield.

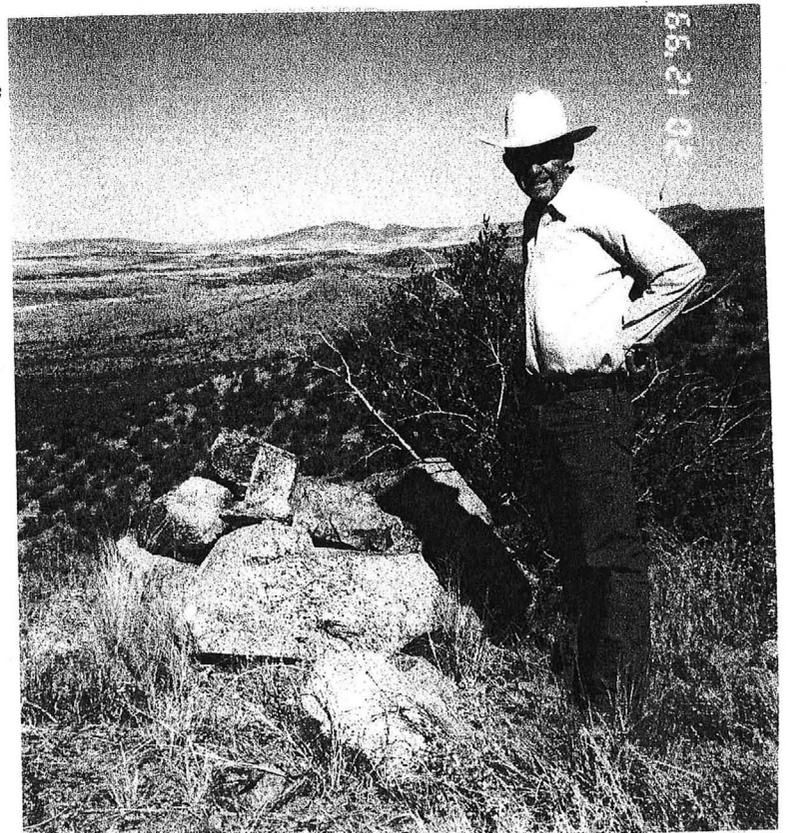
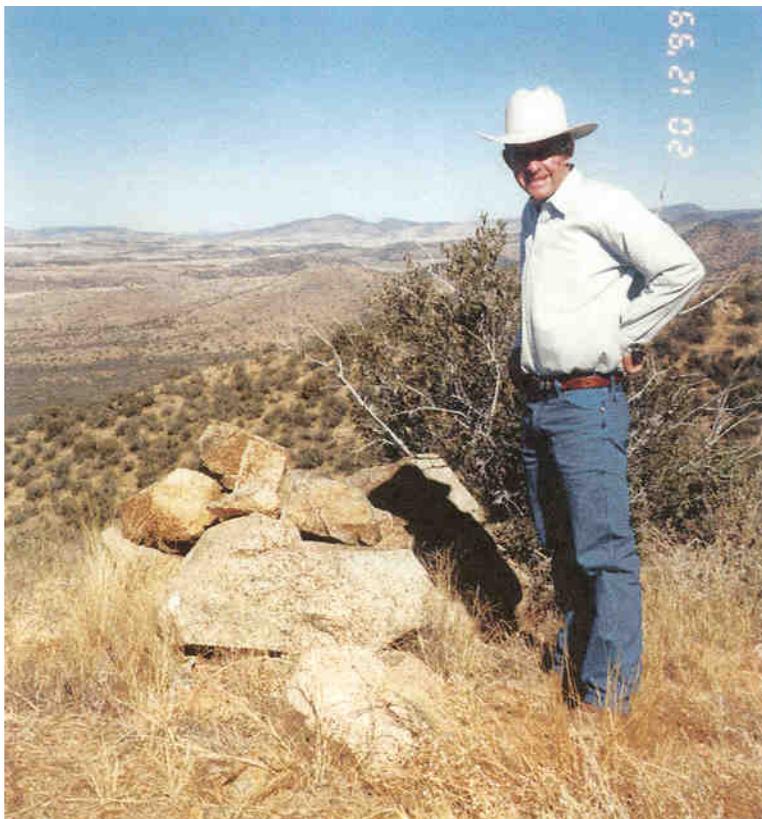


PHOTO 4: Steve Brophy at USMM 2359.
Photo by Oldfield.





Photographs of the Site Evaluation Visit on 20 December 1999
Bloody Basin Tract (ASARCO-MS-2359)
Lions Foundation Exchange (Page Land & Cattle Co.)

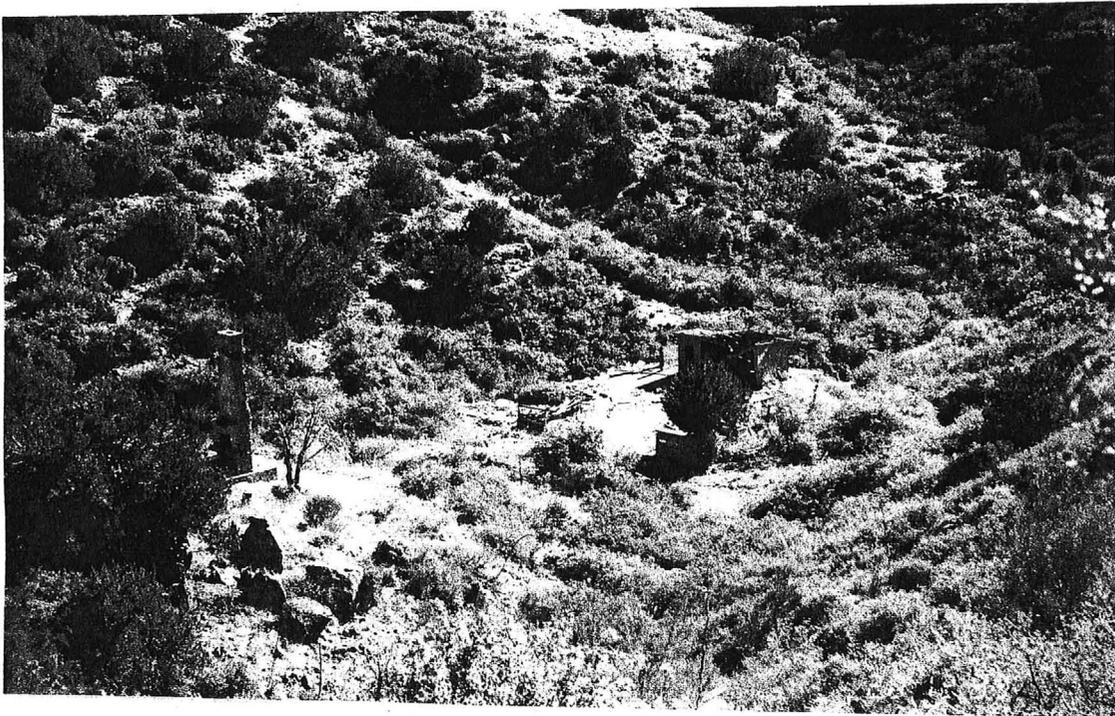


PHOTO 5: Overview of the two demolished structures on the tract. The structure on the left was burned, the one on the right appears to be collapsing due to weathering Photo by Oldfield

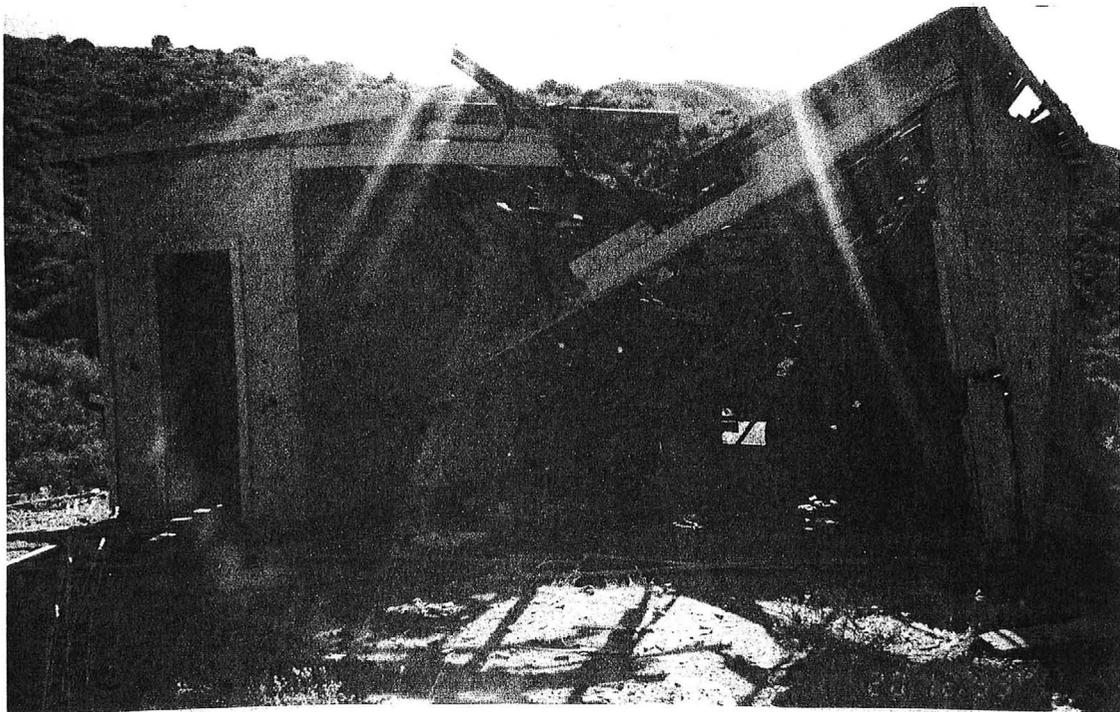


PHOTO 6: Close-up of collapsing wood structure No asbestos material noted. Photo by Oldfield





ROSALIE
YHUAPAI #764

Photographs of the Site Evaluation Visit on 20 December 1999
Bloody Basin Tract (ASARCO-MS-2359)
Lions Foundation Exchange (Page Land & Cattle Co.)

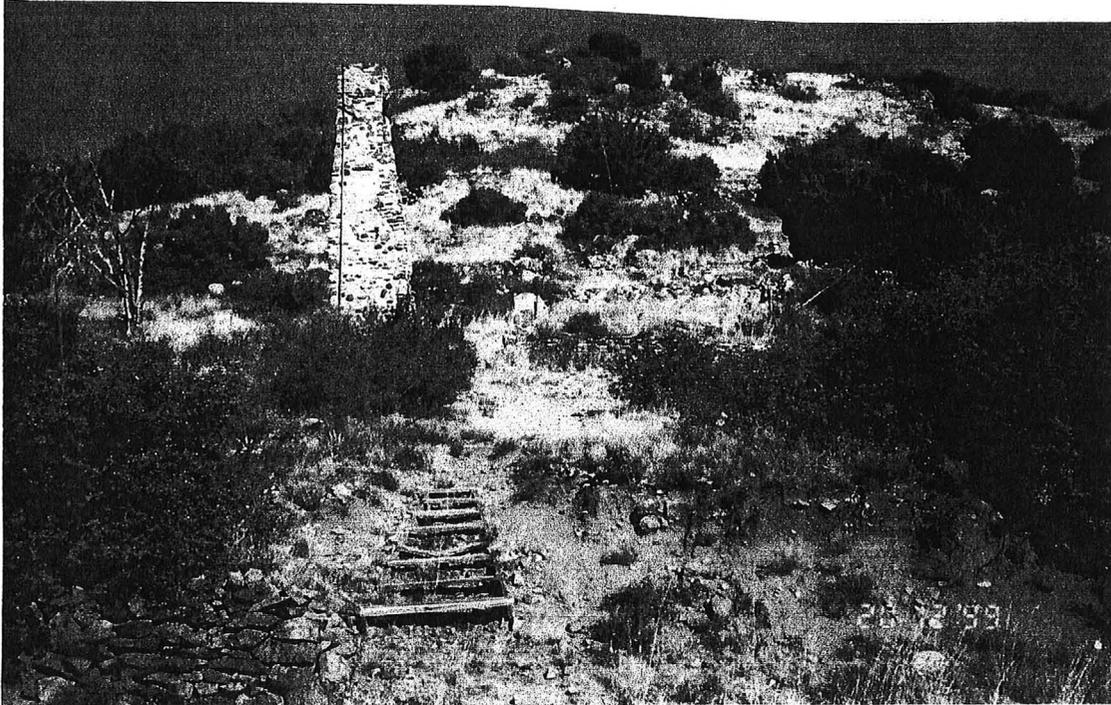


PHOTO 7: View north of the structure that was burned down. Note rock wall and wood stairs. Photo by Oldfield



PHOTO 8: Another view of the burned structure, showing charred remains. Photo by Oldfield







PHOTO 9: Asphalt-lined water tank used for (probably) potable water at burned out structure. Capacity approximately 2,600 gallons (10,200 liters). Note pipe for gravity-feed. Photo by Oldfield.

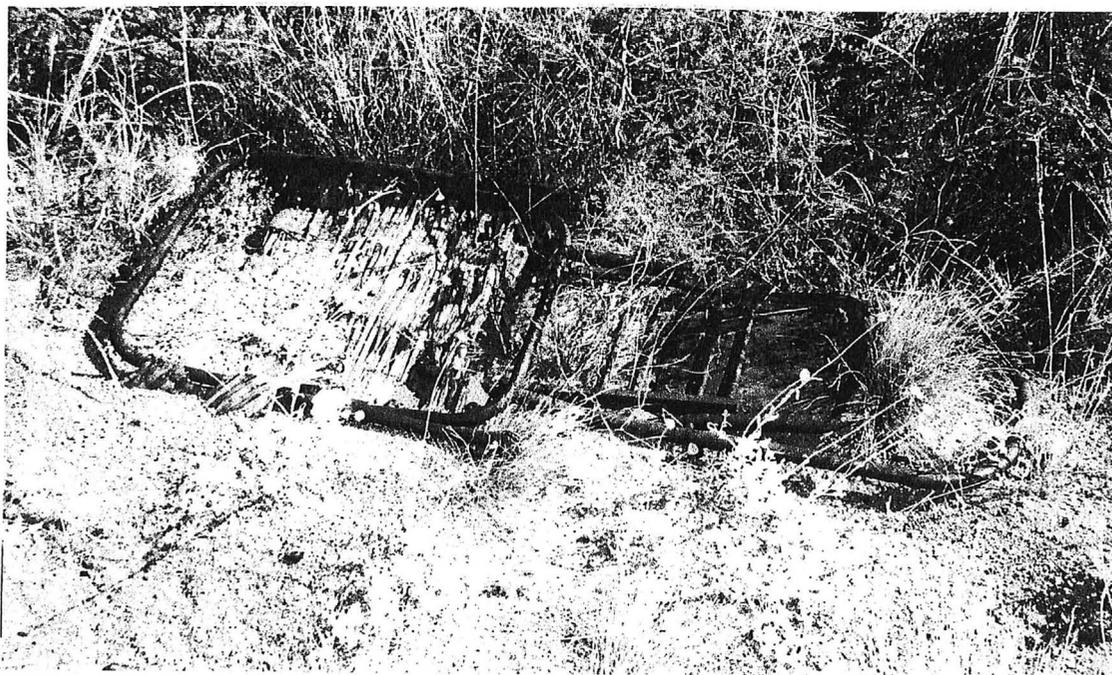


PHOTO 10: Remnants of a lawn chair at the burned-down structure. Photo by Oldfield.







PHOTO 11: Another view of the remains of the burned down structure. Note resurging vegetation on site. Photo by Oldfield.

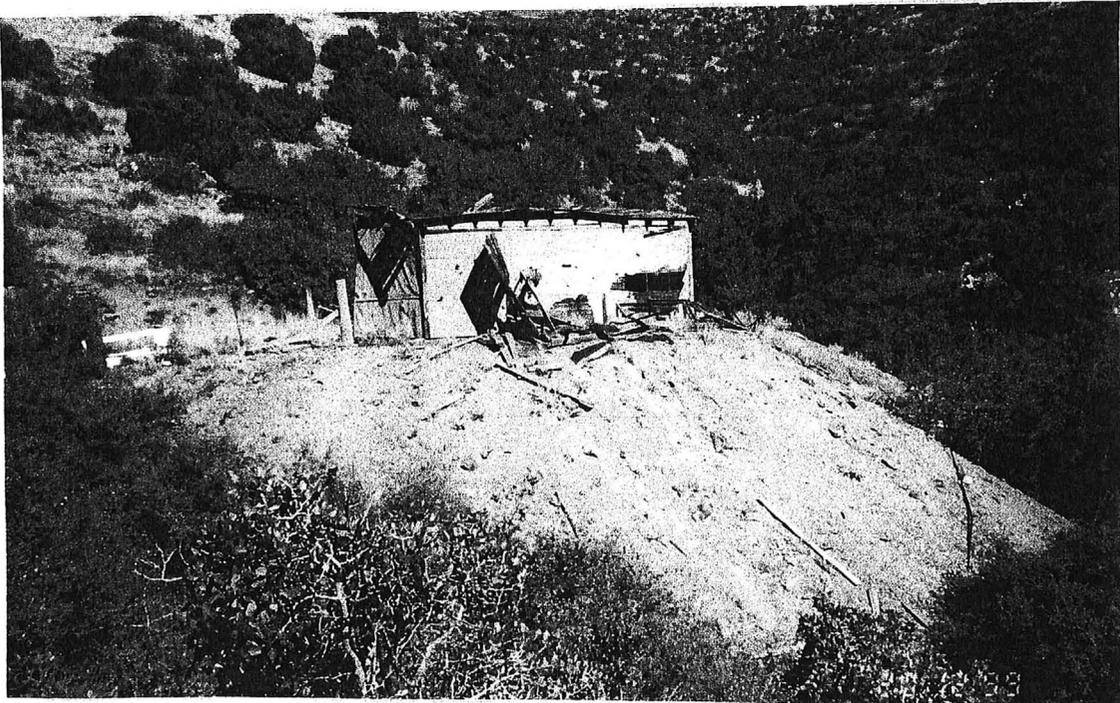


PHOTO 12: View of rock waste dump at collapsing building. That building was probably the mine headquarters office, and the material appears to be waste rock. Photo by Oldfield.







PHOTO 13: Rock waste dump just across drainage from one in Photo 12. Material here appears to have been crushed, suggesting the possible presence of some type of crushing mill. Photo by Oldfield.

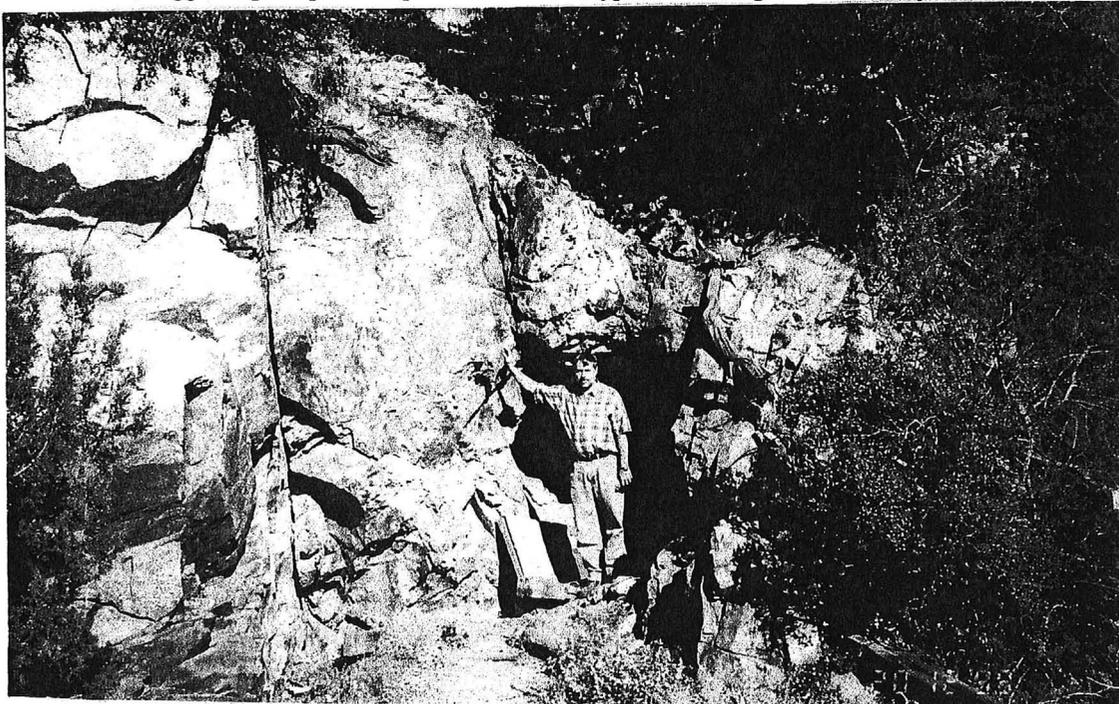


PHOTO 14: Geologist Mike Grivois standing at entrance to an adit on north side of former structures. Adit goes back approximately 20 feet (6 m), following an enriched fault. There is surface subsidence at the end of the adit. However, the existence of a second surface subsidence suggests a cross-cut or "room removal" in back of and to the south of the subsidence on the fault. The fault strikes approximately N 10° E, dipping steeply to the east. Photo by Oldfield.

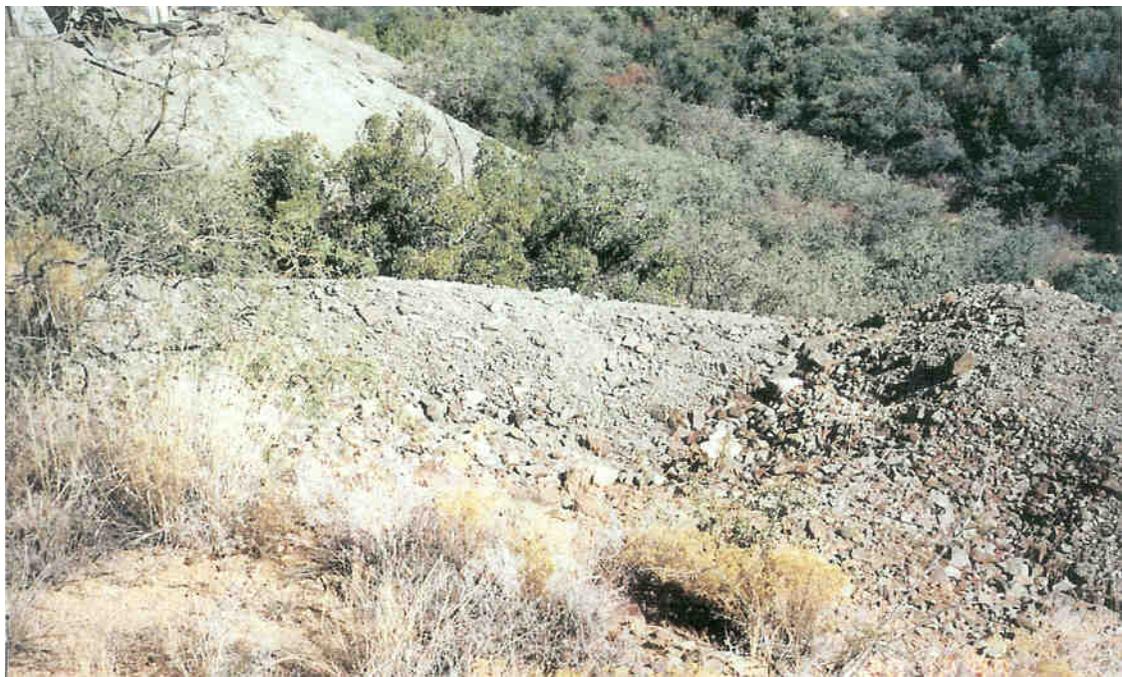






PHOTO 15: Close-up of oxide copper mineralization on fault scarp and adit entrance. Photo by Oldfield.

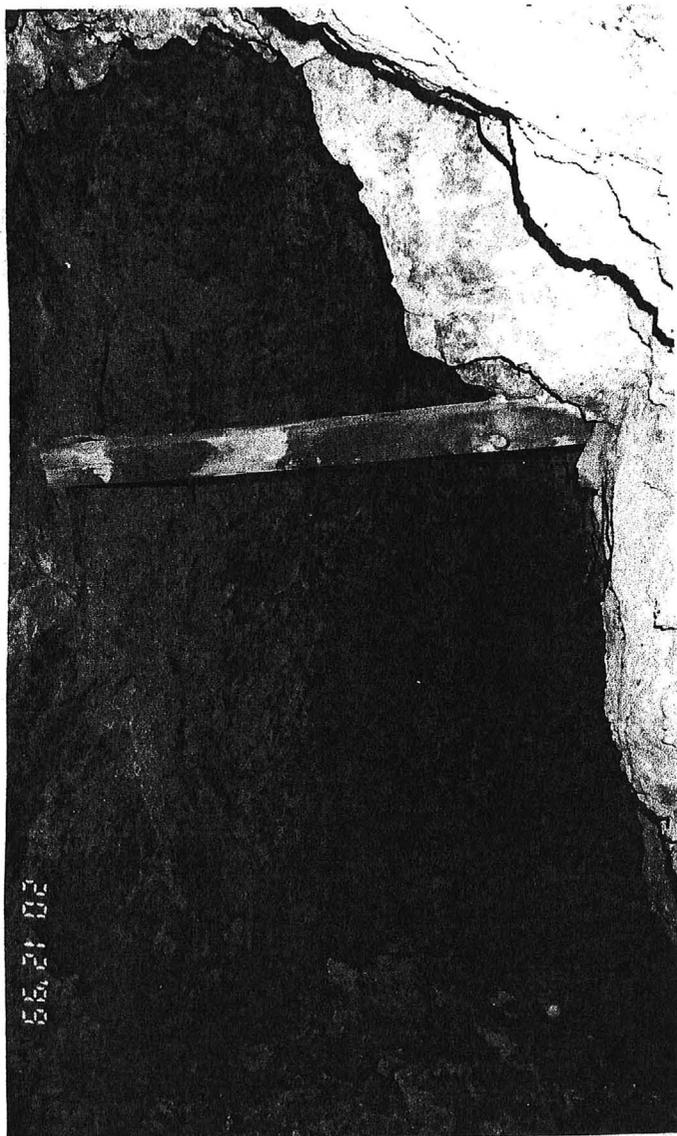


PHOTO 16: View inside adit. Note fallen rock. Surface subsidence at end of adit into the mine. Photo by Oldfield.



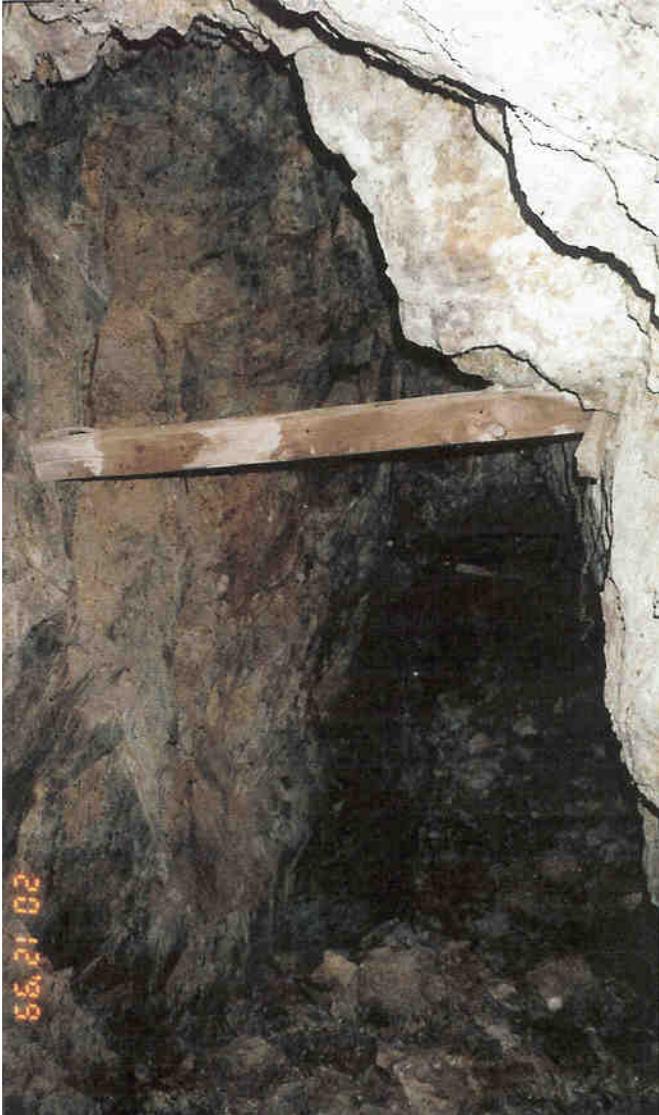




PHOTO 17: Surface subsidence (one of two) into mine (adit). Note fracture of rock that contributed to the subsidence. Also note steel and PVC pipe. Photo by Oldfield.

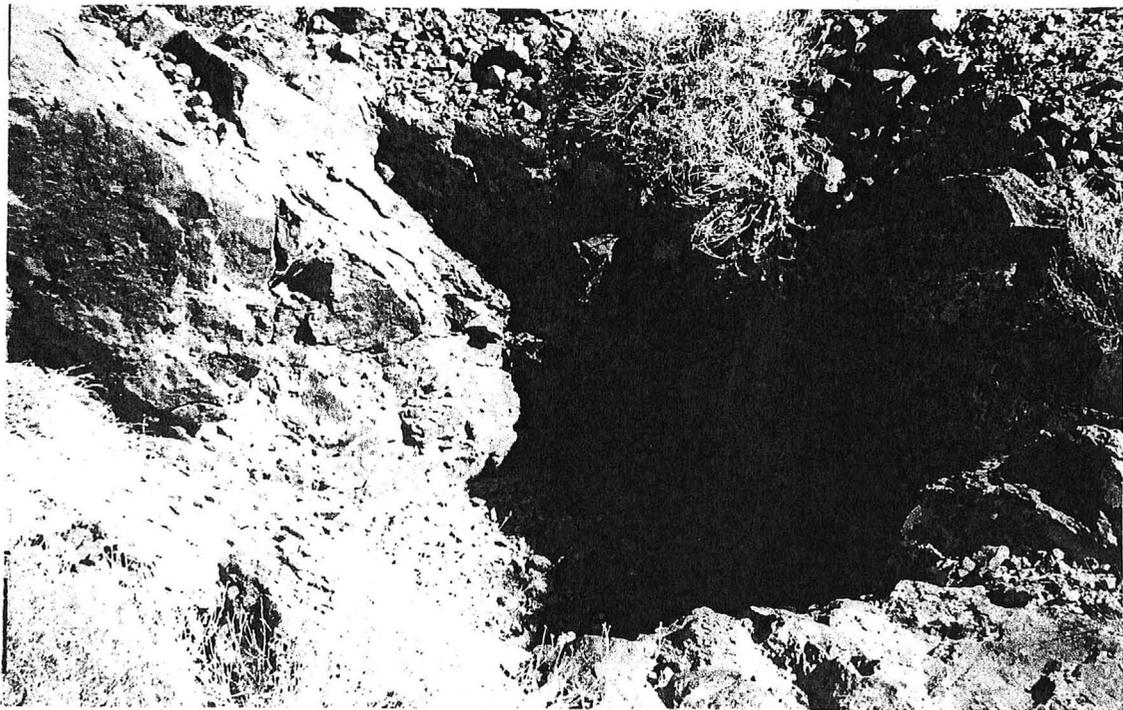


PHOTO 18: One of three prospects dug into top of fault (north of adit). Volume is less than 1 yd³ (0.9 m³). Photo by Oldfield.







PHOTO 19: View from prospect in Photo 18 along strike of fault. Note wooden head frame (over small shaft) and prospect beyond it. Photo by Oldfield.

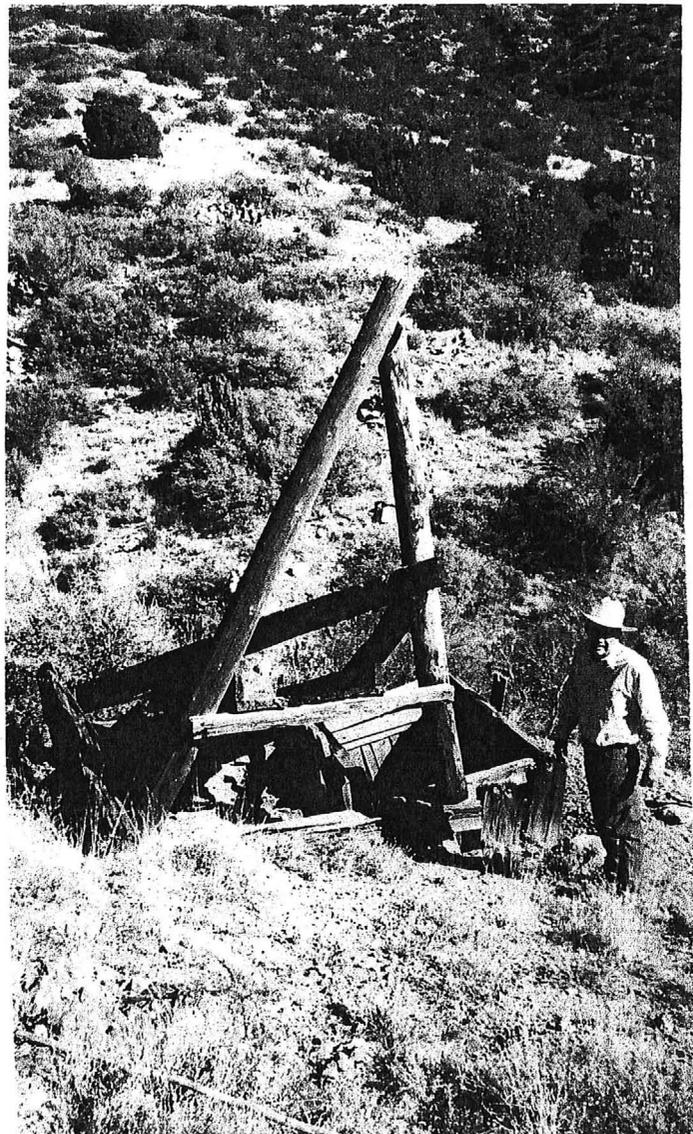
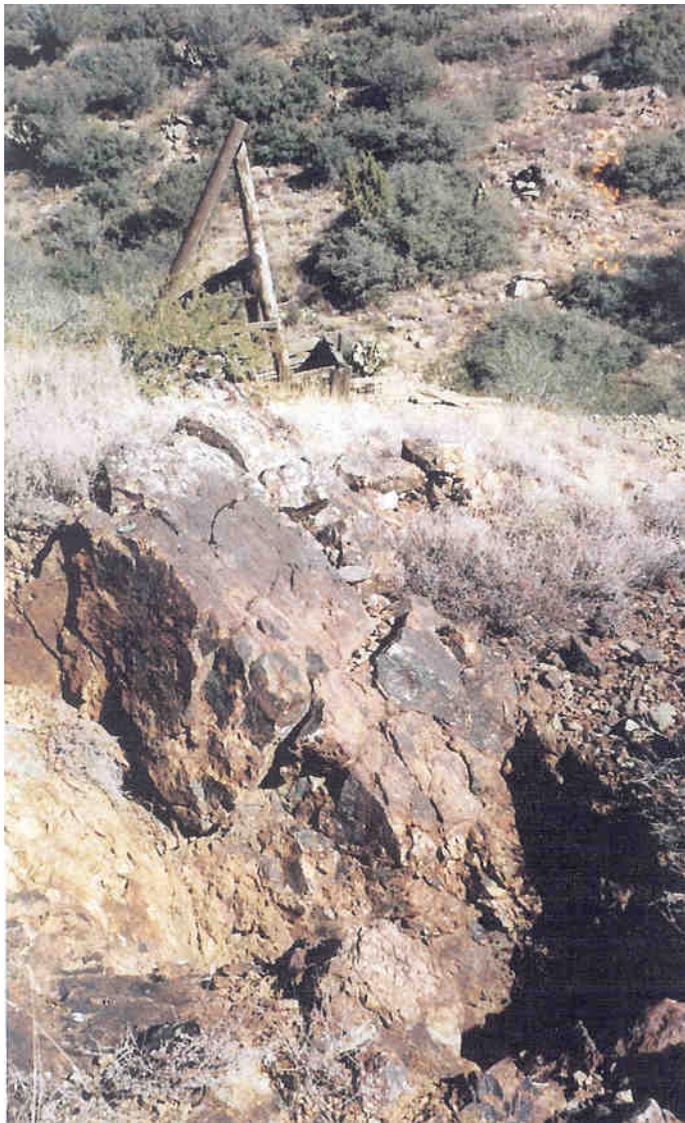


PHOTO 20: Steve Brophy standing by wooden head frame over shaft. Depth undetermined, but estimate to be less than 15 feet (5 m). Photo by Oldfield.





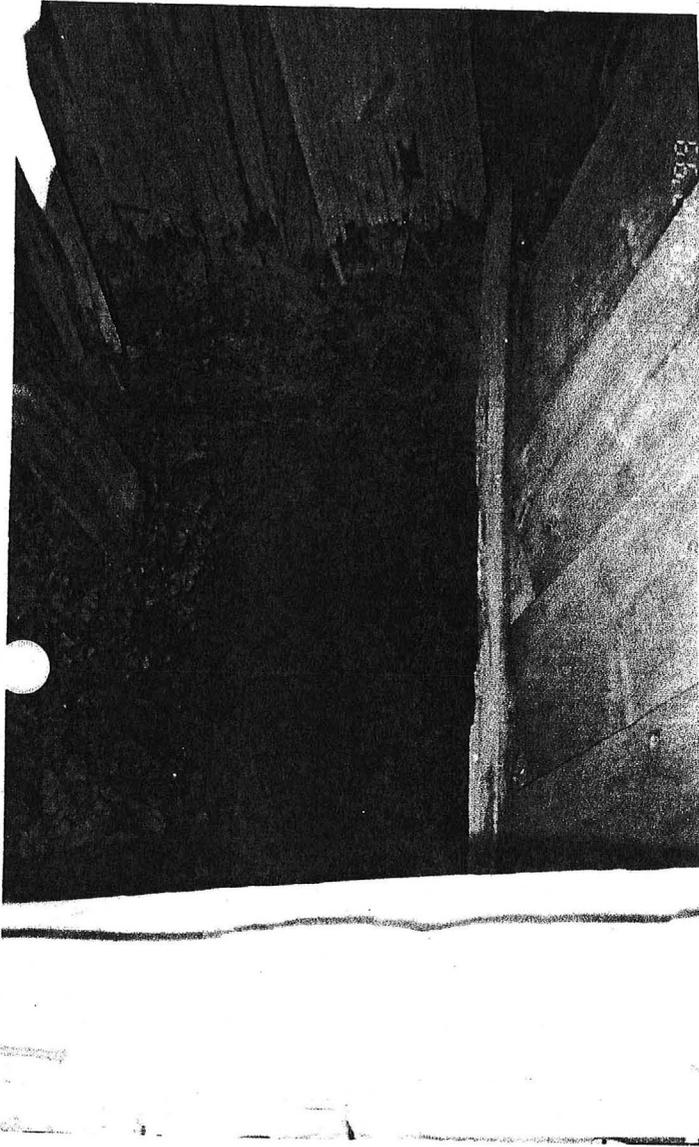


PHOTO 21: View down shaft shown in Photo 20. Bottom of shaft is visible, no appearance of barrels or other waste. Photo by Oldfield.



PHOTO 22: Another shallow prospect on the strike of the fault. Photo by Oldfield.

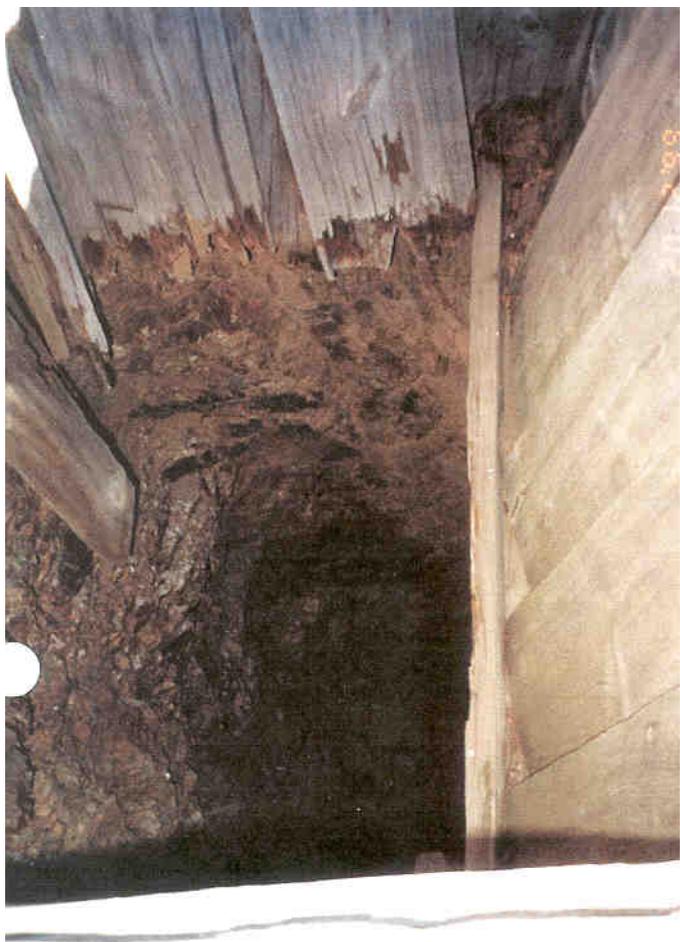






PHOTO 23: Large prospecting pit (Approximately 25 feet (7 m) in diameter and averaging 5 feet (1.5 m) deep located about 700 feet (213 m) northerly of the open adit near the structures. The site did not appear as a burial site, no evidence seen that waste may have been disposed at this site. Photo by Oldfield.

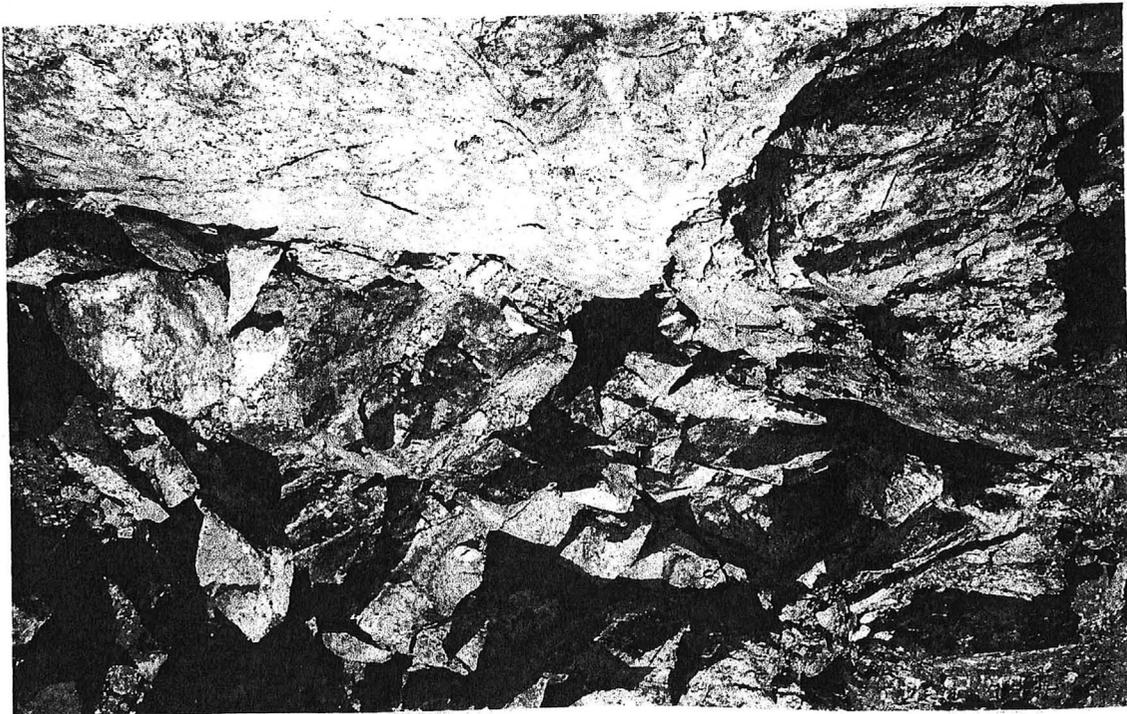
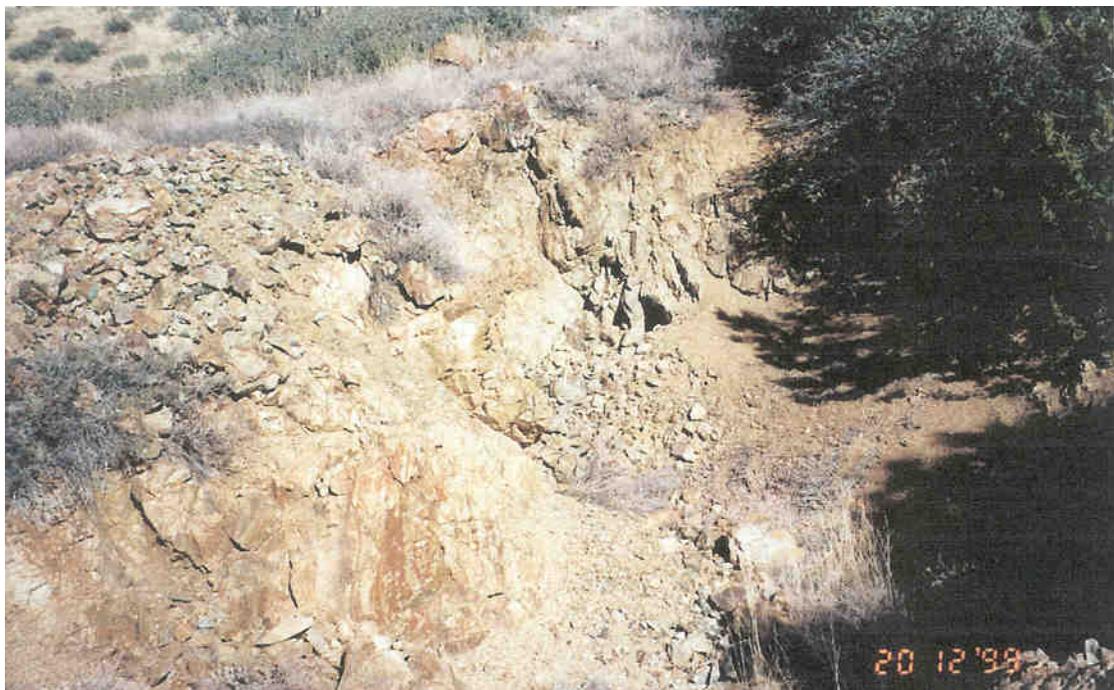


PHOTO 24: Close-up of wall rock of pit in photo 23. Note small copper oxide mineralization in wall and in waste rock (behind wall). Photo by Oldfield.





ROSALIE MINE

YAVAPAI COUNTY

Sam O. Curtis, Real Estate, Mines and Mortgage Broker - offices 112 North Central Ave., Phoenix, Arizona, said that he worked ~~the~~ the old Rosalie back in 1952, and he had an option to buy this property, located in Sec. 21, T9 $\frac{1}{2}$ N, R4E, Yavapai County. 9 patented claims. (Later call from Mr. Curtis said that Mr. Gillette of CF&I were out at the Rosalie - results in about 2-3 weeks.

GBG WR 11/15/68

Mr. Clyde Hull, 6532 W. Van Buren, owner of the Rosalie Mine in Sec. 21,&28, T9 $\frac{1}{2}$ N, R4E, was in February 13th. He said Ace Associates, Inc. 10 B W. Camelback had taken a lease and option on this property. They are going to try to mine by surface methods and ship ore. FTJ WR 2/28/69

Phone call from Dale Kittel, Anamax, April 28, 1975 - Anamax has acquired this property through an exchange with the Forest Service.

Anamax has acquired the Rosalie mine north of the Red Rover and 20 miles SE of Cordes Junction. KAP WR 5/21/75

ROSALIE COPPER CO.**ARIZONA**

condensed only

Address: Haddock & Shackelford, 424 Dwight Bldg., Kansas City, Mo. Mine near Mayer, Yavapai Co., Ariz. G. C. Meese, Los Angeles, Calif., pres.-gen. mgr.

Inc. in Arizona. Cap., \$3,000,000; shares \$1 par.

Property: 9 claims, patented, 180 acres, in the Copper Creek district, 25 miles S. E. of Mayer and 18 miles from Cordes siding, the nearest rail point. The mine has numerous pits and shafts, and a 1,000' tunnel, developing a 2 to 7" vein carrying native copper, in the oxidized zone, followed by bornite, chalcopryrite and occasional chalcocite ores, said to assay 4.15 to 7.3% copper, with small gold and silver values. **Equipment:** includes a 50-h. p. gasoline engine and air compressor. Suspended operations in 1907, but preparing to resume, 1915. Not favorably regarded.

ROSE CONSOLIDATED MINING CO.**MONTANA**

Oscar Nordquist, mgr., Wallace, Idaho, with Sidney L. Shonts and Harold Childs of Wallace, acquired control of company in May, 1916.

Property: a gold-tungsten mine near Libby, equipped with mill, was reopened, Aug., 1916.

ROSEMONT COPPER CO.**ARIZONA**

Office: 11 Broadway, New York. Mine at Rosemont, Pima Co., Ariz. Is controlled by Adolph Lewisohn and Lewisohn Bros. The mine has numerous orebodies in limestone, occurring under geological conditions superficially similar to those at Bisbee. Company also owns claims at Helvetia, and others adjoining the Tiptop mine, near Helvetia, but the bulk of its holdings are on the east side of the Santa Rita mountains, west of the Rosemont postoffice. Company has a small smelter, long idle. Property regarded as promising.

ROSS MINING & MILLING CO.**COLORADO**

Idle many years and probably dead. **Office:** Ross Bldg., Waynesburg, Pa. Mines at Silverton, San Juan Co., Colo. The company has had much financial trouble, like its predecessors and collateral relatives in the chain of promotions. Fully described, Vol. XI, Copper Handbook.

ROSSLAND KOOTENAY MINING CO., LTD. BRITISH COLUMBIA

Idle since 1904. **Office:** Salisbury House, London, E. C., Eng. Mine **office:** Rossland, Trail district, B. C. C. Williamson Milne, chairman; Dr. G. Schack-Sommer and Lionel W. Harris, directors; Bedford McNeill, cons. engr.; F. A. Labouchere, sec.

Inc. May 17, 1902, in Great Britain, as a reconstruction of Rossland-Great Western Mines, Ltd., and Kootenay Mining Co., Ltd. Cap., £150,000; shares £1 par; issued, £148,507.

Property: 171 acres, at Rossland, carrying auriferous and argentiferous copper ores, of low grade, and 113 acres placer at West Kootenay. The company also owns 2,615 shares of the Santa Eulalia Development Co., Ltd., owning the Nueva Chihuahua property at Santa Eulalia, Chih., Mex. Revolutionary conditions have prevented any work for several years in Mexico.

ROUND MOUNTAIN MINING CO.**NEVADA**

Offices: 1011 First National Bank Bldg., San Francisco, and Round Mountain, Nye Co., Nev. **Officers:** L. D. Gordon, pres. and gen. mgr.; J. R. Davis, v. p.; H. G. Mayer, sec.-treas.; with W. H. Weber and Thos. Keane, directors. R. H. Ernest, supt.

Inc. March, 1906, in Nev. Cap., \$1,000,000; increased to \$1,500,000 in 1914; shares \$1 par; outstanding, \$1,266,591. Stock transferred in company's S. F. office. American National Bank, San Francisco, registrar. Annual meeting 3rd Monday in May. Listed on San Francisco and Nevada Exchanges.

Dividends: said to total \$363,000; the last one, 4c per share, was paid in August, 1913.

Annual report for year ending March 31, 1915, shows assets of \$1,896,646,

SHATTUCK DENN MINING CORPORATION

and

SUBSIDIARIES

Humboldt.....Office

Date.....April 19, 1966

TO: C. R. Sundeen

SUBJECT: "ROSALIE MINE"
or "LAZY-BELLE RANCH & MINE"
% Mr. Clyde Hull
4535 North 18th Ave.
Phoenix 15, Phone 277-8991

FROM: J. Olaf Sund

TYPE: Copper

TERMS REQUESTED: A lease on mineral rights only with a royalty from production.

LOCATION:

The property is located in the New River Mountain Range in the southeastern corner of Yavapai County. It is some 16 miles by road from State Highway 69 on the way to "Bloody Basin". Specifically, it is in unsurveyed country at latitude 24° 11' and longitude 112° 57'.

INTRODUCTION:

Mr. Hull has owned the property for some time. He is best described as a "gentleman rancher" who raises a few horses. He would like someone to operate his "mine" but would not want his summer home and yard directly above disturbed in any way.

GEOLOGY:

The area is underlain by massive, medium to coarse-grained granitic rocks. This is part of a granitic massif of batholithic dimensions that make up the New River Mountain Range. It is generally a pinkish color with local deep reddish zones.

There are three narrow and parallel sheared zones that strike north 25 degrees east and dip 75 degrees east and are 60 and 200 feet apart. The two outside shears contain quartz-tourmaline veins that are generally a glassy type. These vary from 1 to 4 feet thick and actually pinch out at intervals along strike. These veins are a distinct fissure type.

MINERALIZATION:

The quartz veins have numerous splashes and $\frac{1}{2}$ to 1 inch veinlets of pyrite and chalcopyrite as well as some probable arsenopyrite. There is only a limited amount of mineralization in the wall rock and no associated wall rock alteration.

The middle sheared zone without any quartz veins contains intermittent mineralized parts some 4 to 5 feet wide that have considerable green and blue copper sulphates oxides etc. These "mineral-rich" zones tend to pinch and swell along strike similar to the quartz veins for no apparent reason.

The following samples were collected and assayed. The locations are noted on the accompanying plan of underground workings.

<u>Sample No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>
12301	Granite w/malachite	Tr	Nil	4.20
12302	Quartz w/minor chalco	Tr	Nil	0.68
12303	" " "	Tr	Nil	0.36
12304	4' across quartz vein	Tr	Nil	1.00
12305	Quartz w/chalcopyrite	Tr	Nil	2.70
12306	Reddish granite (cross fault)	Tr	Nil	0.14
12307	Shear in granite w/oxides	Tr	Nil	0.88
12308	Granite w/copper oxides	.03	Nil	1.46
12309	Quartz w/copper oxides	Tr	Nil	0.30
12310	" " "	Tr	Nil	4.80
12311	" " "	.01	Tr	0.20
12312	" w/Cu O & Arsenopyrite	.04	Tr	3.28

CONCLUSIONS:

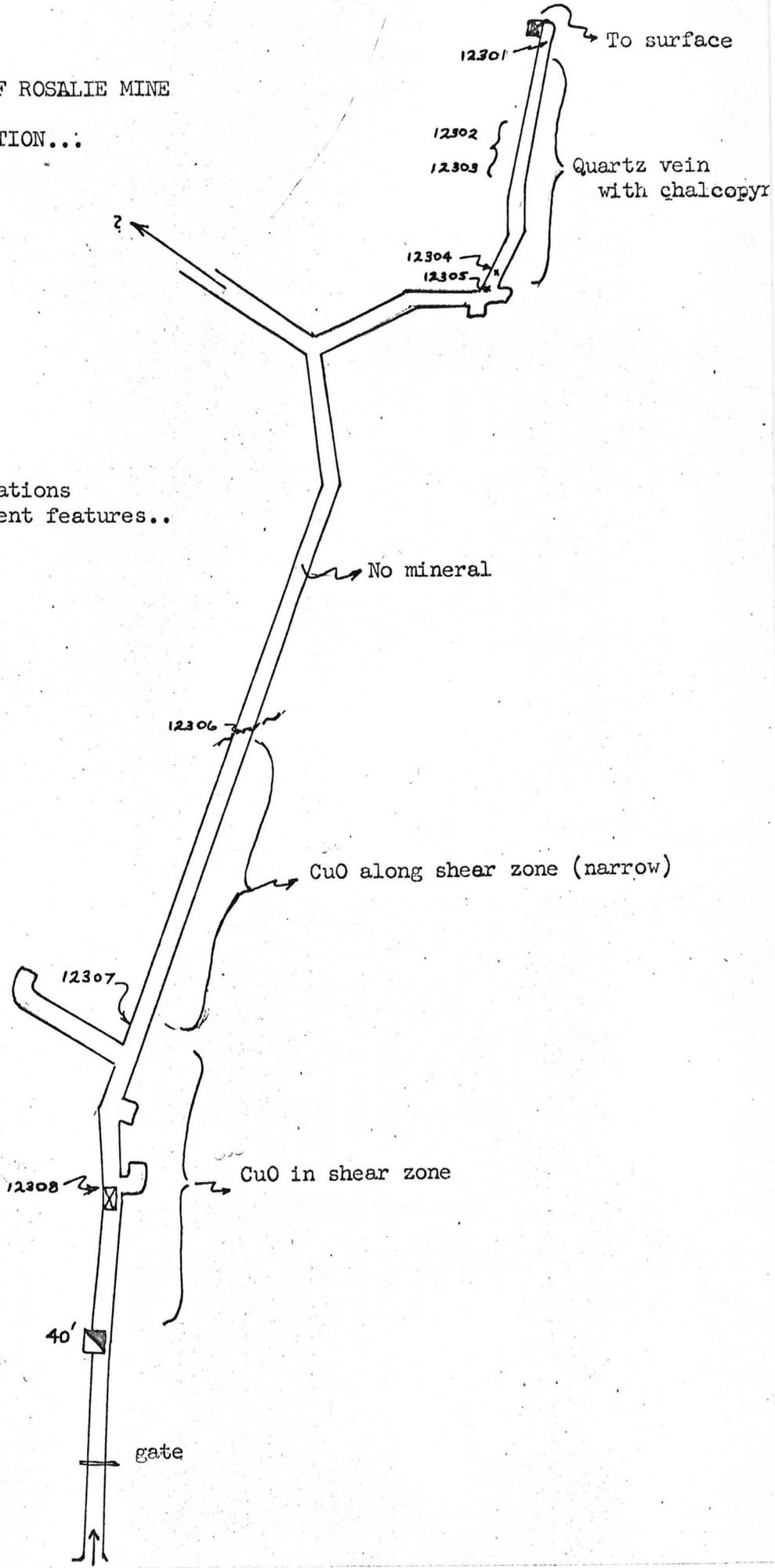
Despite the concentration of copper sulphides with the fissure veins and shear zones, it is quite apparent from the underground examination that these are quite local shoots. It is doubtful any substantial tonnage could be developed. Nothing should be done with this property.

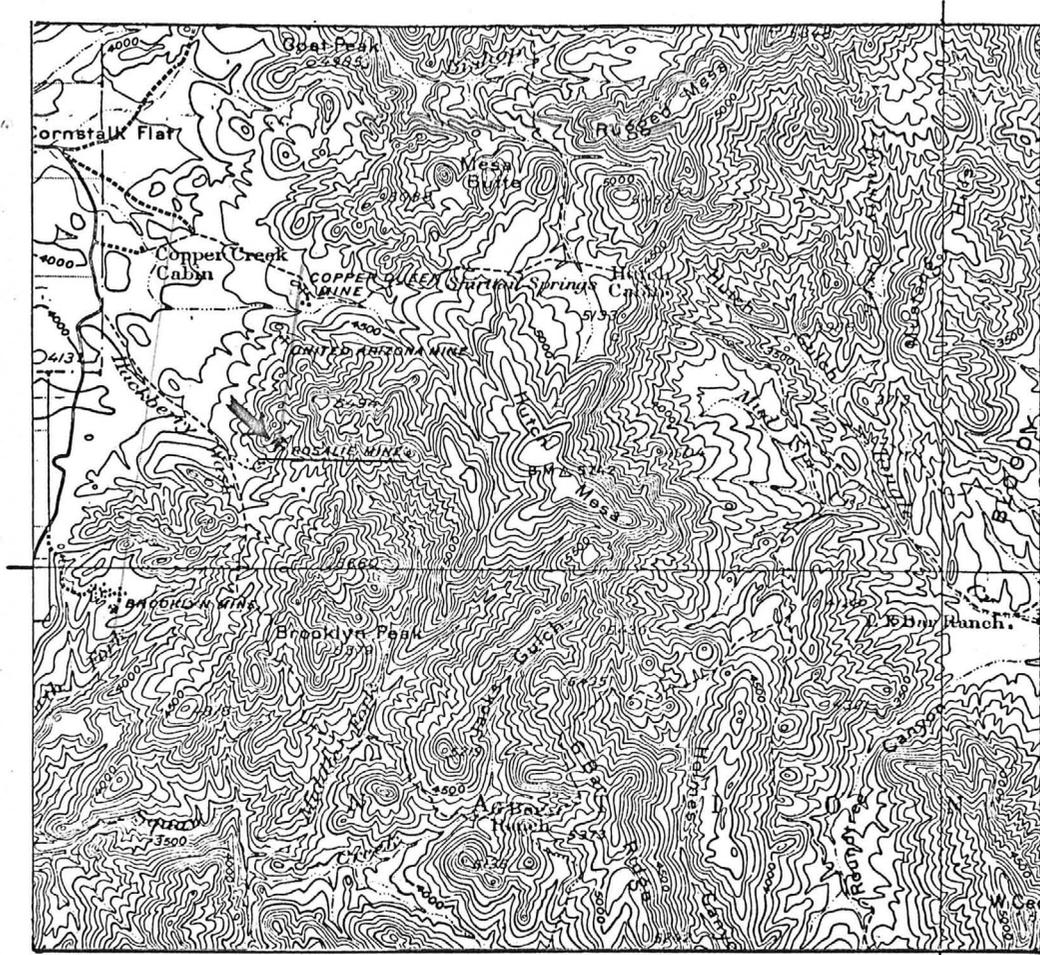
GENERALIZED PLAN OF ROSALIE MINE

FROM U. G. EXAMINATION...

Scale 1" : 100'

Showing sample locations
and pertinent features..





LOCATION MAP OF ROSALIE MINE

Or "LAZY-BELLE RANCH AND MINE"

Scale 1 : 125,000

April 19, 1966

Mr. Clyde Hull
4535 North 18th Ave.
Phoenix, Arizona

Dear Mr. Hull:

The following is a list of assay results from the samples collected from your mine:

<u>Sample No.</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>
12301	Tr	Nil	4.20
12302	Tr	Nil	0.68
12303	Tr	Nil	0.36
12304	Tr	Nil	1.00
12305	Tr	Nil	2.70
12306	Tr	Nil	0.14
12307	Tr	Nil	0.88
12308	.03	Nil	1.46
12309	Tr	Nil	0.30
12310	Tr	Nil	4.80
12311	.01	Tr	0.20
12312	.04	Tr	3.28

Those samples with particularly high copper results are due to selected sampling of chalcopyrite veinlets etc.

On reviewing the property again, I think the tonnage potential would be a problem for our consideration. However, as I mentioned on the phone, I shall relay the pertinent data regarding the mine to another who might be interested. I will leave it with him to contact you.

Thank you for the opportunity to examine this property.

Yours truly,
SHAFPUCK DENN MINING CORPORATION

J. Olaf Sund
Chief Geologist

JOS/db