



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

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

07/16/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SUZI & CHERI

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 68B

LOCATION: TOWNSHIP 22 S RANGE 10 E SECTION 21 QUARTER NW
LATITUDE: N 31DEG 30MIN 12SEC LONGITUDE: W 111DEG 19MIN 48SEC
TOPO MAP NAME: ARIVACA - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
SILVER

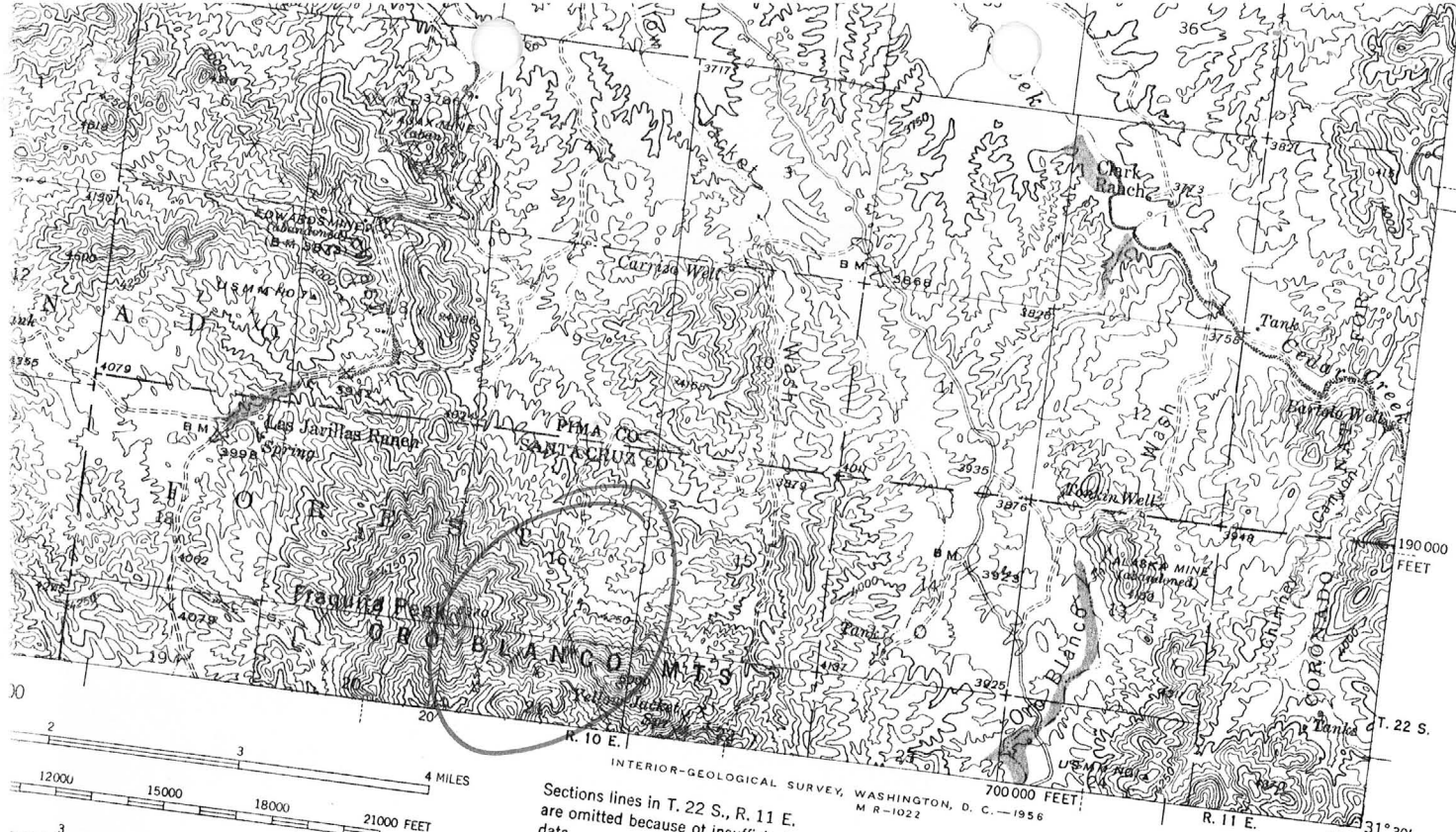
BIBLIOGRAPHY:
ADMMR SUZI AND CHERI FILE

SUZI AND CHERI

SANTA CRUZ COUNTY
ORO BLANCO DISTRICT
T22S R10E Sec. 16 & 21

MILS Santa Cruz Index #68B

Arivaca 15' Topo (included in file)



Sections lines in T. 22 S., R. 11 E.
are omitted because of insufficient
data

Polyconic projection. 1927 North American datum
5000 yard grid based on U. S. zone system.F
10000 foot grid based on Arizona (Central)
rectangular coordinate system

Suzi + Cheri
T22S R10E Sec. 16+21

ARIVACA, ARIZ.

N3130-W11115/15


1941

ROAD CLASSIFICATION
Heavy-duty ——— 4 LANE 6 LANE Light-duty ———
Medium-duty ——— 4 LANE 6 LANE Unimproved dirt =====
U. S. Route State Route

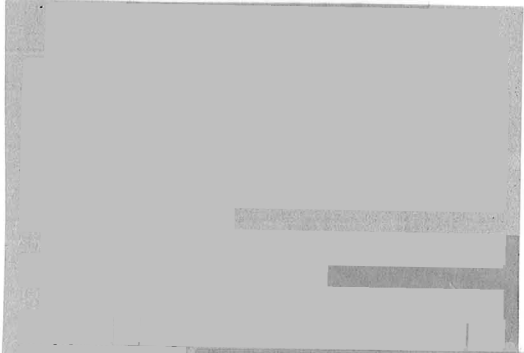

VER, COLORADO OR WASHINGTON 25, D. C.
LS IS AVAILABLE ON REQUEST

PA

44



PAY DIRT for February 25, 1974



PAY DIRT for March 25, 1974

Field interview with Glen Shields in regards to mining operations. He is driving an incline tunnel at the Susie-Cheri $\frac{1}{2}$ mile west of the Yellow Jacket. GWI WR 11/6/73

Mine visit at Glen Shields Suzi or Cheri claim where he was fatally injured. GWI WR 2/26/74

Phone call to H. Riggs, Arivaca, regarding number of claims in the Suzi-Sheri group that belong to the Glen Shields estate. He thought there were three. GWI WR 3/12/74

Up the hill north of the Yellow Jacket Glen Shields was killed when his compresor flywheel blew up. He was building a road to his claims. GWI AR 73-74

RRB WR 3/6/80: Carl Lindell, Highland Mining and Milling, P.O. Box 112, Arivaca, Arizona 85601, reported that he is working the Cliff Claims (near the Yellowjacket Mine in Santa Cruz County). Using gravity separation he has concentrates ranging from 20 to 40 oz. gold and 122 to 618 oz silver. He has some metallurgical help from Bureau of Mines in Reno but needed more. I suggested he discuss it with Dave Rabb.

KAP WR 1/15/82: A visit was made to Arnev Minerals Incorporated's gold mine - cyanide heap leach operation at the Cliff Mine. A separate report has been written.

MG WR 1/15/82: Mr. Gilbert Keierleber, Vice President, Arnev Minerals, Inc., P.O. Box 46, Arivaca, AZ 85601, phone 298-9100, informed me the company has 7,000 tons of gold ore on its leaching pad at the Suzi and Cheri mine (Santa Cruz County). Another 7,000 tons are in stockpile. The company has switched from a zinc percipitation plant to a carbon adsorption recovery unit.

MG WR 5/28/82: Operations by Arnev Minerals at the Suzi & Cheri (Cliff) property Santa Cruz County have been suspended. Future operation of this property by the Arnev people appears to be in doubt.

DO NOT REPRODUCE

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Cliff Mine

Date January 13, 1982

District Oro Blanco, Santa Cruz County

Engineer Ken A. Phillips

Subject: Visit to Arneu Minerals Inc. operation at the Cliff Mine on the above date.

File: Suzi and Cheri

Reference: Mine and Prospect Field Visit Data Summary of January 13, 1982.

Here Arneu Minerals is operating a cyanide heap leaching facility to recover gold. The ore is mined from an open trench along the strike of the mineralization. It appears (The mine was idle) the mining is done by drilling and blasting across the strike of the deposit, then dozing the rock down hill to a flat where it is loaded into trucks and hauled about $\frac{1}{4}$ mile to the crushing plant.

The ore is crushed to minus $\frac{1}{2}$ " in a portable crushing plant then loaded in to a bin which feeds a revolving pelletizing drum. Wet cement is added to the crushed ore stream on a belt before it enters the pelletizing drums. The pelletized ore is then loaded on to the pad with the bucket of a front-end loader. The ore heap is of irregular preimeter dimensions and approximates 125' x 100', appears about 8' high and contains 5000 to 10,000 tons.

Barren cyanide leach solution is distributed by P.V.C. lines to Bagdad wiglers spaced over the surface of the heap on 5-6' centers. Pregnant solution is collected in a sump and pumped to a four column carbon adsorption unit. Gold is stripped from the charcoal and plated on stainless steel in an electowinning unit.

The electrowinning is of unfamiliar design. It appears the stripping solution cascades over stacked horizontal stainless steel plates.

The operation is staffed by 5 to 7 men. At the time of the visit two laborers were at the sight. They were not familiar with tonnage figures, grades, flows, rates, etc. They were , however, collecting periodic solution samples as directed by the manager, Craig Perkins. Mr. Perkins was not at the sight.

Water is obtained from the Yellow Jacket mine and the Long Shot Mine.

Abstracted from

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: Gilbert Keierleber (and Mrs. Carl Lindell)
Address: 1129 East Cochise Dr., Phoenix, AZ. 85020; Phone Arivaca 398-9100
2. Mine: Suzi & Cheri Mine (?) 3. No. of Claims - Patented _____
Unpatented 2
4. Location: Approx. 1/2 mile ESE of Fraguita Peak, Santa Cruz Co.
5. Sec 21, NE 1/4 Tp. 22S Range 10E 6. Mining District Oro Blanco
7. Owner: Carl E. Lindell, P.O. Box ?
8. Address: Arivaca, AZ. 85601 ; Phone 398-2359
9. Operating Co.: Arnev Minerals, Inc.
10. Address: 1129 East Cochise Dr., Phoenix, AZ. 85020 ; Phone 944-6881
11. President: (?) H.L. ("Bronk") Murray Vice-President: Gilbert Keierleber
Gen. Mgr.: xxxxxxx
13. Principal Metals: Au 14. No. Employed: 1
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☐
(d) Production ☐ (e) Rate _____ tpd.
17. New Work Planned: Construction of base for leach pad to begin Feb. 9. Will crush to - 1/2 inch and pellatize. Will build leach pad in stages to about 20 ft high. Then plan to chlorinate pad, doze off, and begin anew.
18. Misc. Notes: Mining claims were apparently owned originally by Glen Shields; now named CLIFF 1 and CLIFF 2. Property is leased for 10 years to Arnev Minerals. New excellent road trending SE off of Arivaca-Las Jarillas Ranch Road; new road is about 2 1/2 miles long and was apparently put in without Forest Service permission.

A pad of blasted and ripped rock has been established where a cyanide leach pad will be prepared. Four or five bench cuts have been made in a small hill south of the proposed leach pad. A small Escapule zinc precipitation plant is on site. Ore is said to assay up to 0.21 oz Au/ton and expect up to 93% recovery. Water is to be pumped from the Yellow Jacket Mine.

Date: 2-4-81

(Signature)

Michael W. Greeley
(Field Engineer)

Sheet 1 of 3

COMMODITIES gold and silverMILS ID No. 0040230378DATE January 13, 1982ENGINEER Ken A. PhillipsINFORMATION FROM: Field visit in company of Janel Smith

PROPERTY SUMMARY

I. MINE NAME CliffOTHER POSSIBLE NAMES Cliff #2, Suzi, CheriII. LOCATION: T 22S R 10E SEC(S) 16 & 21 MINE DISTRICT Oro BlancoELEV. 4400' COUNTY Santa Cruz TOPO QUAD. Arivaca, Ariz. 7½'DIRECTIONS See Attached copy from Arivaca topo. South from Arivaca on Ruby Road, then as shown on topo.MAP ATTACHED YesIII. OWNERSHIP: NAME Arnev Minerals Inc. PHONE 398-9100ADDRESS: P.O. Box 46, Arivaca, Arizona 84501COMPANY NAME PERTINENT PEOPLE Gilbert Keierleber, John Perkins, and Craig PerkinsIV. PROPERTY AND HOLDINGS: unpatented claims leased from Carl E. Lindell, Box 112, Arivaca, Arizona 85601V. HISTORY: FIRST LOCATED: OPERATED BY DISCUSSION Prior to current development, property was apparently prospected and possibly worked as a small underground mine.

XIII. SAMPLE DATA: SAMPLING TECHNIQUE _____

SAMPLES TAKEN BY: _____ NUMBER OF SAMPLES: _____

DATE: _____

DRILLING: _____ TYPE: _____ TOTAL FOOTAGE: _____

WHEN DRILLED: _____

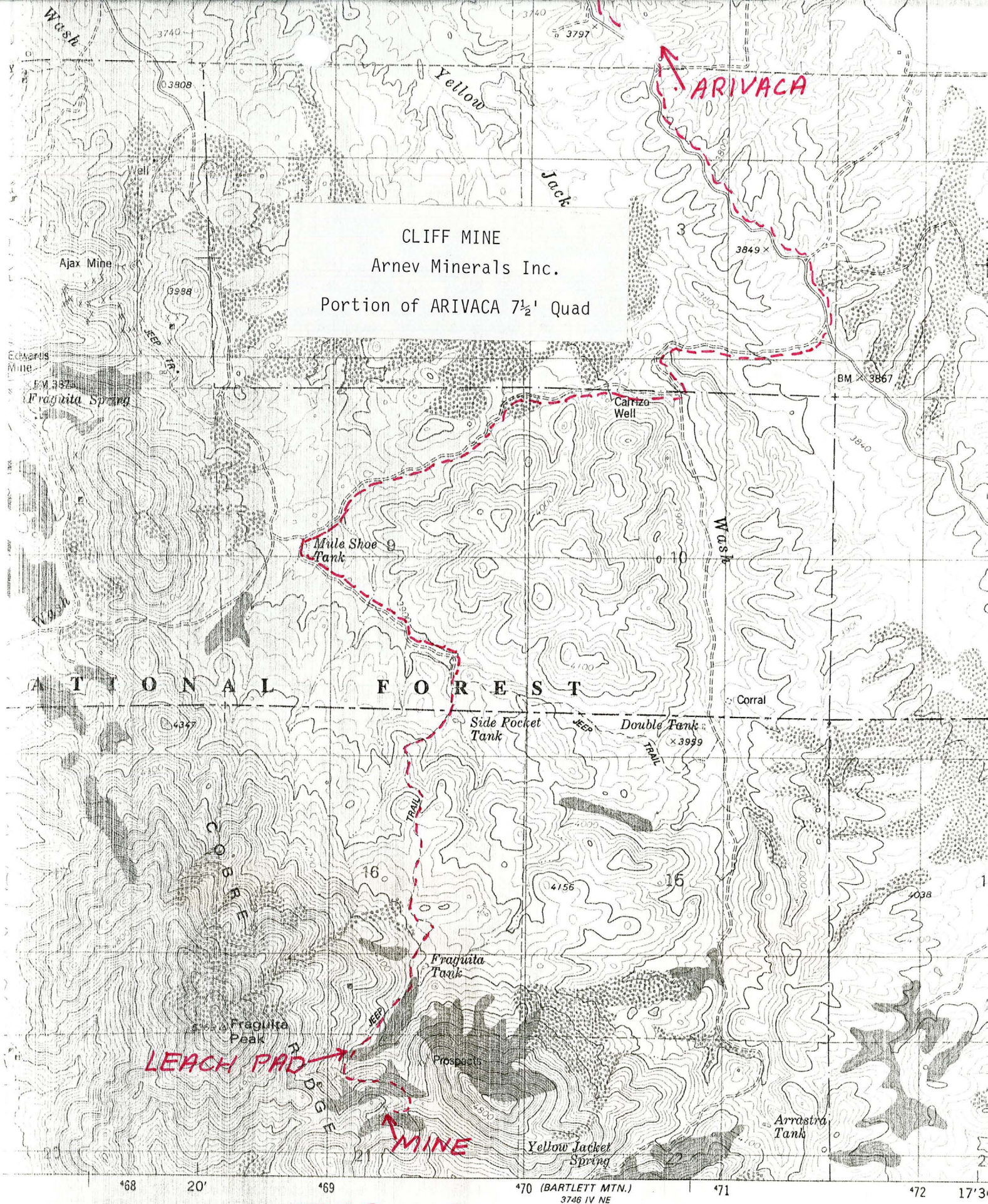
XIV. RESERVES: PROVEN _____ DIMENSIONS _____ PROBABLE _____

DEMENSION _____ POSSIBLE _____ DEMENSIONS _____

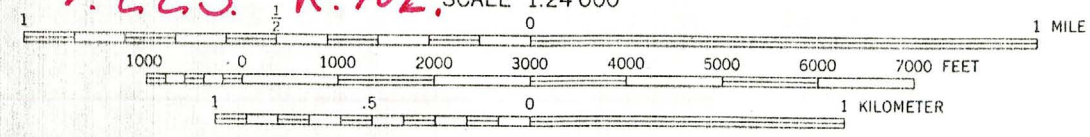
DISCUSSION _____

XV. REFERENCES AND REMARKS See separate report on operation of same date.

CLIFF MINE
Arnev Minerals Inc.
Portion of ARIVACA 7½' Quad



T.22S. R.10E. SCALE 1:24 000



ARIZONA DEPARTMENT OF MINERAL RESOURCES
Mineral Building, Fairgrounds
Phoenix, Arizona

1. Information from: TED BURRIS, C. LEMONS & H. RIGGS AND MINE VISIT.
Address: _____
2. Mine: SUZI AND CHERI 3. No. of Claims - Patented NON
Unpatented SEVERAL
4. Location: # 4 MILES SOUTH OF ARIVACA WITHIN 1/4 MILES OF FRAGUITA PEAK.
5. Sec 21 Tp 22S Range 10E 6. Mining District ORO BLANCO
7. Owner: GLEN SHIELDS (DECEASED)
8. Address: _____
9. Operating Co.: _____
10. Address: _____
11. President: _____ 12. Gen. Mgr.: _____
13. Principal Metals: _____ 14. No. Employed: _____
15. Mill, Type & Capacity: _____
16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☐
(d) Production ☐ (e) Rate _____ tpd.
17. New Work Planned: WAS BUILDING ROAD TO MINE AT TIME OF ACCIDENT. MINE CONSISTS
OF SHORT ADIT DRIVEN ON WHAT APPEARS TO BE A CONTINUATION OF THE YELLOW JACKET
VEIN.
18. Misc. Notes: _____



Date: 2-26-74

Glen Shields
(Signature)

(Field Engineer)