



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.

PRINTED: 11/20/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LOST HORSE GROUP

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 479

LOCATION: TOWNSHIP 18 S RANGE 7 E SECTION 24 QUARTER C
LATITUDE: N 31DEG 50MIN 36SEC LONGITUDE: W 111DEG 34MIN 49SEC
TOPO MAP NAME: BABOQUIVARI PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER
SILVER
LEAD
MOLYBDENUM

BIBLIOGRAPHY:

AZBM FILE DATA
USBM FILE NO. 463.2/17006
ADM MR LOST HORSE GROUP FILE

ML-13

Dec. 19, 1939

GOLD - 14 claims; gold, silver and molybdenum;
finance mill, terms on application; Fresno
Mining District, Papago Indian Reservation
(OER available) Pima County

ML-13 OR

*Withdrawn
See letter in
Indian notes file*



Mr. E.M. Hinshaw
P. O. Box 2091
Tucson, Arizona



Not at this Box

BOARD OF GOVERNORS:
CHARLES F. WILLIS, PHOENIX
CHAIRMAN
DR. N. H. MORRISON, PHOENIX
VICE-CHAIRMAN

SHELTON G. DOWELL, DOUGLAS
J. HUBERT SMITH, KINGMAN
LLOYD C. EDMONSON, GLOBE

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
CAPITOL BUILDING
PHOENIX, ARIZONA



J. S. COUPAL, PHOENIX
DIRECTOR
W. J. GRAHAM, PHOENIX
ASSISTANT TO THE DIRECTOR
AND SECRETARY TO THE
BOARD OF GOVERNORS
FIELD OFFICES AT
GLOBE - KINGMAN
PRESCOTT - TUCSON

Box 2091

July 3, 1940.

REPLY TO

Indian Metals Co.,
Tucson,
Arizona.

Gentlemen:

I am enclosing herewith a copy of Mine Owners Report which you have filed with the Department of Mineral Resources covering your property.

If you have any additional information on this property, I should suggest that you forward it for filing with this report.

Assuring you of my desire to be helpful, and with best wishes, I am

Yours very truly,

J. S. Coupal
J. S. Coupal
Director

Dear Sir,

I thank you for the opportunity to file information, Enclosed find reports,
JSC-amh
Indian Metals Placer-
E. I. Hinshaw, Lost Horse Group, Lode

Sincerely Yours,

E. I. Hinshaw

Tucson, Ariz. Sept 40.

P.O.Box 2091.

Mr J.S.Coupel

Department of Mineral Resources

Phoenix, Ariz.

Dear Sir,

Below is a copy of the record as shown by a Spectrgraphic Analysis of the most important elements in certain ore veins recently opened for mining on the Lost Horse Mining Claims-
Will you please file this information with that which you have concerning the Lost Horse Prperty.

Aluminum ----- Over 10 per cent-
Potassium up to 10 per cent-
Tungsten up to 1 per cent-
Chromium up to .1 per cent-
Titanium up to .1 per cent-
Strontium up to .1 per cent-
Barium up to .01 per cent-
Nickel up to .01 per cent-
Molybdenum up to .01 per cent-
Vanadium up to .01 per cent-
Gallium up to ~~x22~~ .01 per cent-
Cobalt up to .01 per cent-

Sincerely Yours,

Ed Hirstaw

12 September 1940

Mr. E. M. Hinshaw,
P. O. Box 2091,
Tucson, Arizona.

Dear Mr. Hinshaw:

I thank you for your letter of September 9 giving me the Spectrographic analysis of your ore. This analysis has been filed with the mine owners report on the Los Horse Mining Claims.

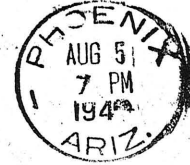
With best wishes, I am

Yours very truly,

J. S. Coupal
Director

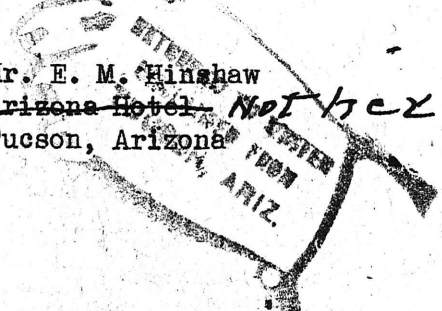
JSC-jrf

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
304 HOME BUILDERS BUILDING
PHOENIX, ARIZONA



Lost Home

Mr. E. M. Hinshaw
~~Arizona Hotel~~ *Not here.*
Tucson, Arizona



ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

April 2, 1958

To the Owner or Operator of the Arizona Mining Property named below:

| | |
|------------------------|---------------------------|
| <u>Lost Horse Mine</u> | <u>Gold, silver, mol.</u> |
| (Property) | (ore) |

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

Wm

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date July 14, 1939
July 6 - 40

Mine Lost Horse Group - Lode -

District Fresnal 18S, 7E

Location 70 mi. s.w. of Tucson; 4 mi. north of Allison mine in Fresnal Mining District, Papago Indian Reservation.

Former name

Address

Owner E.M.Hinshaw

Address

Operator E.M.Hinshaw

Gen. Mgr.

President

Mill Supt. No mill.

Mine Supt.

Men Employed

Principal Metals Gold, silver, mol.

Mill: Type & Cap.

Production Rate

Power: Amt. & Type

Operations: Present Preparing for mill.

Operations Planned

Should be a mill installed-

Number Claims, Title, etc.

Fourteen.

Description: Topog. & Geog.

See report attached- Can furnish much additional data.
~~XXXXXXXXXXXXXXXXXX~~
Can furnish report.

Mine Workings: Amt. & Condition

Geology & Mineralization

See report-

Ore: Positive & Probable, Ore Dumps, Tailings

See report-

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

See report-

Water Supply

Have small amount of water at ALL TIMES, can get additional water

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. Desire to negotiate for mill, upon some practical terms. Able and willing to furnish complete information.

Signed.....E. M. Hinshaw.....

P.O. Box 2091--Residence, Arizona Hotel, Tucson

Use additional sheets if necessary.

COPY:

Copy of Sealed
original

Tucson, Arizona,
May 16, 1935.

THE LOST HORSE MINE.

LOCATION:

Owner Ed. H. Hirschman
P. O. Box 2091
Tucson, Ariz.

The property is located in the Fresnal Mining District, Pima County, Arizona, on the west slope of the Baboquivari Mountains. It may be noted that in approaching the property one passes the Allison Mine, for many years an important producer of high grade gold and silver ore.

The Lost Horse Mine is situated about 70 miles southwest of Tucson, - a good graded road, via the Tucson-Ajo Highway and the Baboquivari Tuthill Trail reaches within a few miles of the camp, which is reached at present by a fair mountain and desert road from the highway.

TITLE:

The property consists of three full claims ^{now 1st} held under the laws of Arizona and the general United States Mining laws regulating the title to mineral property. These claims are located end to end along the strike of the main silver-gold vein, and also cover another prominent feature of the property - a strong vein carrying high grade molybdenum and silver-gold values.

GEOLOGY:

A number of different classes of rocks and formations appear prominently. Much conglomerate is seen with rounded pebbles and fragments, differing from the brecciated conglomerate generally found in the western parts of Pima County.

Basaltic and Andesite flows are also features.

As in most parts of Southern Arizona, there is evidence of the deposition of various minerals at rather widely different periods of time. Nearly always these carry both gold and silver. Although generally differing greatly in the relation of commercial importance. There appears on this property sedimentary rocks,

partly metamorphosed, from what looks like a sandstone to quartzite. Diorite dikes cut through which undoubtedly have much to do with the mineralization. Their relation to the commercial deposits of ore will be shown by further development.

DEVELOPMENT, MINERALIZATION and VALUES:

These as to their commercial importance, are what is most interesting.

On this property there is a strong vein carrying high grade values in silver; also good values in gold.

The strike of this vein is nearly east and west, the dip slightly to the south, almost vertical. This vein can be easily traced on the surface, and has been opened up by open cuts, short tunnels and shallow shafts in about ten different places, for a distance of more than half a mile. Most of the development and the present work now going on is at the east end of the property on this vein. Here a short tunnel has been run in on the vein and a drift for about twenty five feet, and two winzes sunk down a few feet on this drift. In this work the ore appears to be about five or six feet wide, and dips at an angle of about 45% to the south. Lenses of rich ore from a few inches to a foot in thickness are shown. Assays (by samples to Jacobs of Tucson) hereto attached, show values of the ore of 30 ounces and of the one foot high grade lens of 60 ounces.

The formation here is partly metamorphosed sedimentary rock, much broken up, with cracks and broken interstices filled with high grade ore. However, about fifty feet to the west, and twenty feet below, a tunnel is being driven in to cut the vein. This has not as yet reached what appears to be the vein proper in the upper workings. But the vein here shows no well defined walls, and assays taken from the face of the tunnel and along its sides show that it is already in the orebody. This sample (No. 3) shows nearly 30 ounces of silver.

As one follows the vein to the west the gangue becomes more silicified until at the extreme west workings it is almost pure quartz with occasional bunches of talc in the gangue.

ORE:

The amount of ore of commercial value is of course the crux in any examination. The final determination of this can only be settled by development and treatment.

Here we can make no estimate in actual tonnage of ore. There is only one dimension established. We know that a strong vein carrying very good silver and gold values extends for a distance of over a half mile. We do not know any definite width. It is at least fifteen feet wide in places, probably more, perhaps much more for the entire length.

How deep it goes is not yet determined, but at the west end the vein is at least twelve to fifteen feet wide and will run across this width \$3.00 in gold and 7 ounces in silver. (See Assay Sample No. 5.)

This is an ideal milling ore, as most of the waste can be eliminated and the ratio of concentration of the mineral values should be very high.

The most striking feature about this property is the very high grade silver and gold values shown at about ten different places for over half a mile in the vein. The high grade silver occurs as a deep blue bromide, a yellowish green chloride scattered thru the quartz with occasional galena which will probably increase with depth. Known length and the width indicate that it will do down a long way.

A large tonnage of good milling ore is assured. Anywhere near an exact amount cannot be estimated.

The amount of ore in reserve can be determined from time to time as development and treatment proceed,

Question of installation of machinery for blocking out ore, size and place of mill, water supply, etc., are not discussed here. These can all be met satisfactorily as the ore reserves justify.

A very interesting feature of this property is a strong molybdenum vein a little to the north and parallel to main gold and silver veins on the LOST HORSE CLAIM.

It was not possible to see much of this at the time this examination was made, as the vein had been opened up near the bottom of a gulch where a mountain stream was pouring down, flooding the shaft and backing up into the tunnel a foot deep. There appears, however, a heavy diorite hanging wall, about six to eight feet of vein graduating into a general quartzite country rock.

A considerable amount of high grade molybdenum ore is on the dump, carrying good gold and silver. This showing is in itself alone sufficient to justify considerable mining operations.

At the point where most development has been done at the eastern end of the main vein, the ore is disseminated through metamorphosed sedimentary rock; somewhat farther to the west the gangue of the vein appears to be a monzonite quartz porphyry, and still further to the west the vein is mostly quartz.

CONCLUSIONS:

While no estimate of actual tonnage can be made, there is no question that here is a large strong vein many feet wide for over half a mile, carrying considerable high grade ore this entire length.

It appears to be excellent milling ore and there is sufficient ore to operate a fair sized mill for a long time.

ASSAYS ATTACHED:

- No. 1-High grade ore - first place of examination at extreme east end of property.
- No. 2-Twelve inches of high grade ore in first tunnel and drift.
- No. 3-Cross-cut tunnel where men now working about 50 feet next and 20 feet below extreme east working.
- No. 4-Shaft 800 feet west of east end.
- No. 5-Quartz samples across vein 1/2 mile west of workings at extreme eastern end; 12 to 15 feet of workings at extreme eastern end; 12 to 15 feet of ore.

(Signed) JOSEPH A. HUNTER
Engineer.

E. A. JACOBS

REGISTERED ASSAYER, TUCSON.

Certificate No. 32059
Samples by J.A.Hunter

March 14 1935

| | | | | | | | |
|------------|------|------|--------|--------|------|---------|-----|
| Samples #1 | gold | 0.01 | \$0.35 | Silver | 28.9 | ozs.per | ton |
| #2 | " | 0.02 | 0.70 | " | 59.8 | " | " |
| #3 | " | 0.02 | 0.70 | " | 27.9 | " | " |
| #4 | " | 0.21 | 7.35 | " | 53.1 | " | " |
| #5 | " | 0.09 | 3.10 | " | 6.9 | " | " |

(Signed) E. A. Jacobs.

APPENDIX.

Subsequent to the time the preceding Report was made, other mining claims were secured and explored for gold and silver. These are eleven in number and situate alongside the Lost Horse Claims and known as the "Matchless". Evidently the quartz veins are the result of sandstone having been metamorphosed, and the cutting through of dikes has apparently had definite influence in the matter of mineralization.

These numerous quartz veins carry both gold and silver in commercial amounts, as evidenced by various assays; also smelter report on reduction of fourteen tons which showed \$8.38 in gold and \$7.69 in silver, per ton. Two of these veins are believed to extend more than one thousand feet in length and having a width of several feet. The width and length indicate great depth.

E. M. Hinshaw
E. M. Hinshaw.

*P. O. Box 2091
Tucson
Ariz.*

MAY, 1936

Hawley and Hawley

For E.M.Hinshaw

C.G. Lot T. 45-870 =
14.67 Wet tons
14.52 Dry tons

Smelter Lot 870 -

Payments

| | |
|----------------------------|--------------|
| A.U. @ .261 at 32.12 | 8.58 |
| A.G. 11.09 oz 90 at .77¢ | 7.69 |
| C. N. 0.27 - Value per ton | <u>16.07</u> |

DEDUCTIONS

| | |
|----------------------|-------------|
| 3.50 plus 10 plus 15 | 3.61 |
| C.V. - 10 - at 6.77 | .31 |
| | <u>3.92</u> |

net per ton 12.15

| | |
|----------------------------|--------------|
| 14.525 Dry tons at 12.15 | 176.45 |
| Freight T.D. 14.67 at 1.27 | <u>18.63</u> |

Net 157.82

| | |
|----------------|--------------|
| Extra sampling | 7.50 |
| Representation | 5.00 |
| 2 assays | 2.00 |
| | <u>14.50</u> |

Check- 143.32

Certified by Phelps Dodge Reduction Works, Douglas, Arizona .
of
From Quartz vein #1, on north/Canyon.