



## **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](mailto: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.

04/01/99

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: COUGAR MINE

ALTERNATE NAMES:

PATENTED CLAIMS MS 1111  
BOND PROPERTY  
HAYDEN SHAFT  
BAKER SHAFT

YAVAPAI COUNTY MILS NUMBER: 821C

LOCATION: TOWNSHIP 10 N RANGE 1 W SECTION 26 QUARTER NW  
LATITUDE: N 34DEG 11MIN 03SEC LONGITUDE: W 112DEG 20MIN 06SEC  
TOPO MAP NAME: CROWN KING - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

SILVER  
GOLD  
LEAD  
COPPER

BIBLIOGRAPHY:

USGS CROWN KING QUAD  
BLM MINING DISTRICT SHEET 213  
ADMMR COUGAR MINE FILE  
LINDGREN, W. ORE DEPTS OF THE JEROME &  
BRADSHAW MTNS QUADS USGS BULL 782 1926 P 175

COUGAR MINE

YAVAPAI COUNTY

USGS Bull. 782 p. 175

Mines Handbook - 1926 p. 251

COUGAR MINING CO.

Address - Al Andree, Crown King, Arizona. Henry Eickhoff, St. Paul Minn. Tiger District, Yavapai County near Crown King. Small shipments of \$200 to \$700 lead-silver ore have been made intermittently since 1917. The Luke Mine adjoining above which has produced \$300,000 from above 300' level. Reported in 1925 that the Cougar Mine was taken over by the Verde Eastern Mining Co.

Mines Handbook "1926" page 251

---

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
MINE OWNER'S REPORT

RECEIVED  
OCT 22 1940  
PHOENIX, ARIZONA

Date October 21, 1940

1. Mine Cougar Mine
2. Location 2 Mi. SE of Crown King  
Sec. 26-Tps. 10N.-R. I. W. G. & S. R., B &
3. Mining District & County 2 mi. SE of  
Tiger Mining District. Yavapai County
4. Former name  
Formerly locally referred to as Bond Mind
5. Owner Mrs. Nellie E. Bales
6. Address (Owner) 4 02 N. 17 Ave. Phoenix
7. Operator  
not operating since 1923
8. Address (Operator) not operating
9. President, Owing Co.  
Individually owned
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Silver, Lead, Gold, Cop
11. Mine Supt.
15. Production Rate not producing
12. Mill Supt.
16. Mill: Type & Cap. no mill
13. Men Employed  
None
17. Power: Amt. & Type Elec. power is avail.  
The line to Horse Thief Recreation  
crosses premises
18. Operations: Present  
no present operations whatever
19. Operations: Planned Either the "Hayden" shaft or the Baker shaft should be  
retimbered and sunk 50 ft. before cross-cutting the vein
20. Number Claims, Title, etc.  
one fractional claim - patented
21. Description: Topography & Geography  
Elevation 6500 Ft. - covers the head of Cougar Gulch which flows to  
Humbug creek. Rugged but not exceedingly steep.
22. Mine Workings: Amt. & Condition  
There are three (3) shafts - one abandoned. Two require re-timbering,  
Ground does not require heavy timber.

usual strike is N.20° E - Dip 75° Westerly. The Cougar, Lorena Lode diverges from the usual strike and cuts the Schist Strata by striking N.40° E - Dip 75° to vertical. Values are mixed Sulphides in Oxide from surface. Lead & Zinc Oxides predominate at shallow depth - Steele Galena is principal Sulphide.

### 23. Geology & Mineralization

Pre-Cambrian (Yavapai) Schist - Amphibolitic, believed to be of Sedimentary origin, replaced in great areas by Pegmatitic Granite. In the workings of the Cougar Mine there has been disclosed numerous broken sections of "Philite" thought to be Syenite Porphyry. However, it is accepted as Geological fact that intrusions of Rhyolite Porphyry is genesis of the ores of the Bradshaw mountains.

### 24. Ore: Positive & Probable, Ore Dumps, Tailings

In former years Silver mills operated & all lower grade ores were milled. Due to reverse faulting in sections of the vein between cross faults it would not be possible or reasonable to attempt an estimate of probable ore. However, since on the property N the Galena containing 300 oz. silver was mined to depth of 300 Ft. on incline - that corresponds to depth of 250 ft. on the Cougar.

### 24A. Dimensions and Value of Ore body

The Lorena Lode has shown where opened on commercial ore - from 4 in. assaying 3128 oz. to 7 ft. assaying 65 oz. as broken. It is fair to assume that an average width for all openings is 2 ft. The longest stope in old workings was 140 ft. in the Baker shaft at 60 ft. level ore of high grade extended 65 ft. S. and in N. drift average of 18 in. extends 50 ft. and shows 20 in. in break of drift of character different from any other workings. Samples have assayed 600 to 700 oz. silver. Much higher gold than where stoped. Less Lead more Copper.

### 25. Mine, Mill Equipment & Flow-Sheet

There is good 20x25 ft. galvanized iron building and old frame house on premises. Tools & mining equipment has been removed except for a good friction hoist which can be connected to motor or belted.

### 26. Road Conditions, Route

Crown King is 20 Mi. off the Black Canyon Highway. From Crown King it is 2 mi. to Cougar Mine all up-grade, but very good road. In winter there is occasionally 12 in. of snow that may lie in shaded turns of the road. Anyone in Crown King can give desired information. Crown King store is suggested.

### 27. Water Supply

There is no water on premises in summer season except from the Baker shaft which makes very little; over the "Saddle" to North is permanent water for domestic use. Water comes from the Cross Faults and doubtless will be encountered when the drifting on Lorena Lode enters one of the two which intersect the vein. However since the 400 ft. shaft on the "saddle" made very little water we do not expect a quantity of any consequence.

### 28. Brief History

This property located in yr. 1871 by Rob't. M. Dougherty, who obtained \$8,000.00 from 12 ft. shaft and 20 ft. drift. While out of territory his title lapsed and June 20, 1879 it was located by R.M. Bond. In 1917 deed conveyed title to John H. Baker. Prior to Baker the former owners claimed production record of \$40,000. Subsequent to 1917 we know the record approximate \$35,000 from tonnage estimated at 225 tons. This record may be ascertained correctly from Bureau of Statistics, U.S.G.S. Salt Lake, Utah.

### 29. Special Problems, Reports Filed

(various shipments ranged from 42 oz. to 454 oz. silver)  
There is no special problem aside from lack of capital

### 30. Remarks

This property has always paid when operated as a small mine. Does not warrant an extensive development program. But if operated in small way with small force it should pay well. We estimate a sum of \$5,000 to be ample capital to timber both shafts, install necessary machinery and begin shipping. We have no doubt of the existence of good ore bodies being encountered at deeper levels.

### 31. If property for sale: Price, terms and address to negotiate.

Property is for sale. Present asking Price and terms: \$8,000. \$200.00 initial payment and thereafter \$200.00 each month, royalty 10% to apply on succeeding payments. We would consider lease.

### 32. Signature.....

### 33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

MC-48

Date October 21, 1940

1. Mine Cougar Mine
2. Mining District & County Tiger Mining District  
Yavapai County
3. Former name Formerly locally referred to as  
Bond Mine
4. Location 2 Mi. SE of Crown King  
Sec. 26-Tps. 10N.-R.I.W.G.&S.R., B & M
5. Owner Mrs. Nellie E. Bales
6. Address (Owner) 402 N. 17th Ave.,  
Phoenix, Arizona
7. Operator Not operating since 1923
8. Address (Operator) Not operating
9. President Individually owned
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Silver, lead, gold, copper
14. Men Employed None
15. Production Rate Not producing
16. Mill: Type & Cap. No mill
17. Power: Amt. & Type Elec. power is available.  
The line to Horse Thief Recreation Area crosses premises
18. Operations: Present No present operations whatever.
19. Operations Planned Either the "Hayden" shaft or the Baker shaft should be retimbered  
and sunk 50 ft. before cross-cutting the vein.
20. Number Claims, Title, etc. One fractional claim - patented.
21. Description: Topography & Geography Elevation 6500 Ft. - covers the head of Cougar  
Gulch which flows to Humbug creek. Rugged but not  
exceedingly steep.
22. Mine Workings: Amt. & Condition There are three (3) shafts - one abandoned. Two  
require retimbering; ground does not require heavy timber.

23. Geology & Mineralization

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNER'S MINE REPORT

24. Ore: Positive & Probable, Ore Dumps, Tailings

24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet

26. Road Conditions, Route

27. Water Supply

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate.

32. Signed.....

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date October 21, 1940

1. Mine Cougar Mine
2. Mining District & County Tiger Mining District,  
Yavapai County
3. Former name Formerly locally referred to as  
Bohd Mine
5. Owner Mrs. Nellie E. Bales ✓
7. Operator Not operating since 1923
9. President Individually owned
11. Mine Supt.
13. Principal Metals Silver, Lead, Gold, Copper ✓✓✓✓
15. Production Rate Not producing
17. Power: Amt. & Type Elec. power is available  
The line to Horse Thief Recreation Area crosses premises
18. Operations: Present  
No present operations whatever
19. Operations Planned Either the "Hayden" shaft or the Baker shaft should be retimbered  
and sunk 50 ft. before cross-cutting the vein
20. Number Claims, Title, etc. One fractional claim - patented
21. Description: Topography & Geography Elevation 6500 Ft. - covers the head of Cougar Gulch  
which flows to Humbug creek. Rugged but not exceedingly steep.
22. Mine Workings: Amt. & Condition There are three (3) shafts - one abandoned. Two  
require re-timbering, Ground does not require heavy timber.
4. Location 2 Mi. SE of Crown King  
Sec. 26-Tps. 10N.-R.I.W.G.&E.R., B & M
6. Address (Owner) 402 N. 17th Ave.,  
Phoenix, Arizona
8. Address (Operator) Not operating
10. Gen. Mgr.
12. Mill Supt.
14. Men Employed None
16. Mill: Type & Cap. No mill

- Pre-Cambrian (Yavapai) Schist - Amphibolitic, believed to be of Secimentary origin, replaced in great areas by Peridotitic Granite. In the workings of the Cougar Mine there
23. Geology & Mineralization has been disclosed numerous broken sections of "Phyllite" thought to be Syenite Porphyry. However, it is accepted as Geological fact that intrusions of Rhyolite Porphyry is genesis of the ores of the Bradshaw mountain particularly in the vicinity of Crown King. All veins are Fissure in this dist. The usual strike is N.20° E - Dip 60° Westerly. The Cougar, or Lorena Lode diverges from the usual strike and cuts the Schist Strata by striking N.40° E - Dip 75° to vertical. Value are mixed Sulphides in Oxide form
24. ~~Core Positive & Probable Ore~~ Dumps, Tailings (surface, Lead & Zince Oxides predominant) In former years Silver mills operated & all lower (ate for shallow depth - Steel Galena is grade ores were milled. Due to reverse faulting (principal Sulphide.)
- in sections of the vein between cross faults it would not be possible or reasonable to attempt an estimate of probable ore. However since on the property N the Galena containing 300 oz. silver was mined to depth of 300 Ft. on incline - that corresponds to depth of 250
- 24-A Vein Width, Length, Value, etc. (ft. on the Cougar.)
- The Lorena Lode has shown where opened on commercial ore - from 4 in. assaying 3128 oz. to 7 ft. assaying 65 oz as broken. It is fair to assume that an average width for all openings is 2 ft. The longest stope in old workings was 140 ft. in the Baker shaft at 60 ft. level ore of high grade extended 65 ft. S. and in N. drift average of 18 in. extends 50 ft. and shows 20 in. in breast of drift of character different from any other workings. Samples
25. Mine, Mill Equipment & Flow Sheet (have assayed 600 to 700 oz. silver. Much higher gold than where stoped. Less Lead more Copper.)
- There is good 20x25 ft. galvanized iron building and old frame house on premises. Tools & mining equipment has been removed except for a good friction hoist which can be connected to motor or belted.
26. Road Conditions, Route Crown King is 20 mi. off the Black Canyon Highway. From Crown King it is 2 mi. to Cougar Mine all upgrade, but very good road. In winter there is occasionally 12 in. of snow that may lie in shaded turns on the road. Anyone in Crown King can give desired information. Crown King store is suggested.
27. Water Supply There is no water on premises in summer season except from the Baker shaft which makes very little; over the "Saddle" to North is permanent water for domestic use. Water comes from the Cross Faults and doubtless will be encountered when the drifting on Lorena Lode enters one of the two which intersect the vein. However since the 400 ft. shaft on the "saddle" made very little water we do not expect a quantity of any consequence.
28. Brief History This property located in yr. 1871 by Rob't. M. Dougherty, who obtained \$8,000.00 from 12 ft. shaft and 20 ft. drift. While out of territory his title lapsed and June 20, 1879 it was located by R. M. Bond. In 1917 deed conveyed title to John H. Baker. Prior to Baker the former owners claimed production record of \$40,000. Subsequent to 1917 we know the record to approximate \$35,000 from tonnage estimated at 225 tons. This record may be ascertained correctly from Bureau of Statistics, U.S.G.S. Salt Lake, Utah. (various shipments ranged from 42 oz. to 454 oz. silver)
29. Special Problems, Reports Filed (M There is no special problem aside from lack of capital)
30. Remarks This property has always paid when operated as a small mine. Does not warrant an extensive development program. But if operated in small way with small force it should pay well. We estimate a sum of \$5,000 to be ample capital to timber both shafts, install necessary machinery and begin shipping. We have no doubt of the existence of good ore bodies being encountered at deeper levels.
31. If property for sale: Price, terms and address to negotiate. Property is for sale. Present asking Price and terms: \$8,000. \$200.00 initial payment and thereafter \$200.00 each month, royalty 10% to apply on succeeding payments. We would consider lease.

32. Signed.....

33. Use additional sheets if necessary.

## Cougar

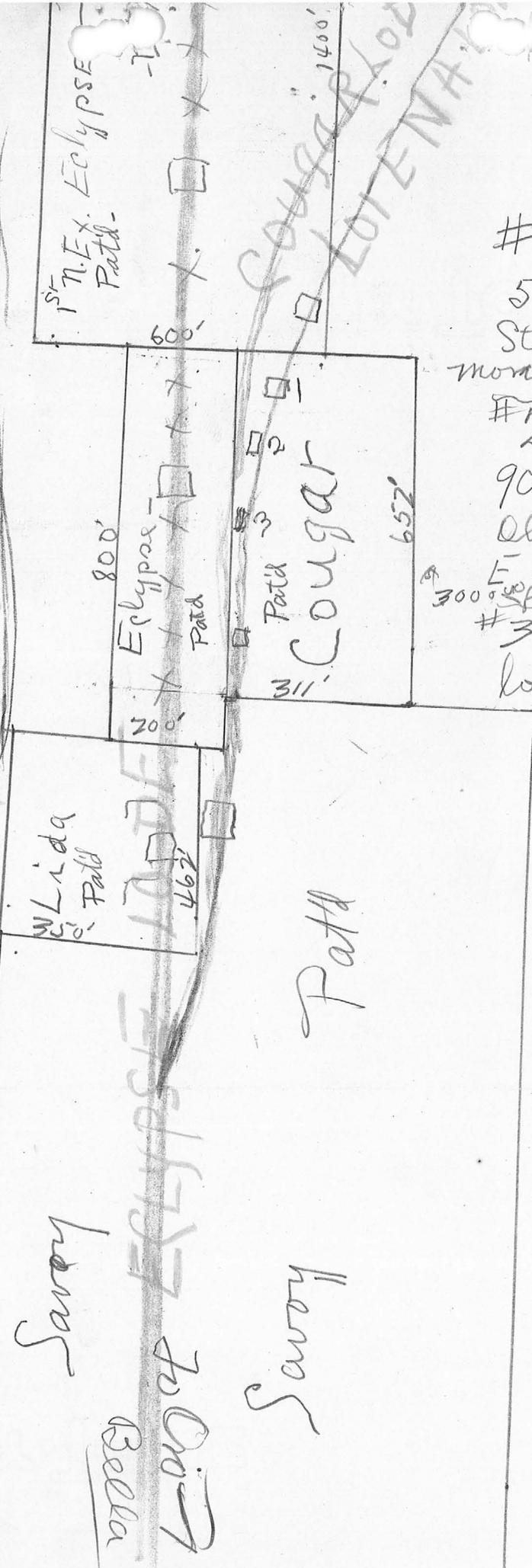
The attached sketch shows the Cougar mine a fractional claim of 4.65 acres in area. Note the Eclipse lying to west, also fractional located under Old Law. The Lida also fractional. These two are locations on the Eclipse Lode. Farther South is Savoy regarded as valuable Silver. Deep workings is entering the "Gold Zone!" Farther South is Ora Bella Group - having production record of approximately \$750,000 Gold, Silver and Copper.

Economic Geologists believe that at 400 ' the Eclipse will be Gold. It has been regarded as silver but many shallow openings have not paid. These fractions can be grouped with the Cougar now at price within reason.

✓  
Mrs. Nellie E. Bales  
402 N. 17th Avenue  
Phoenix, Arizona

NEW JERSEY LODGE

DAISY LODGE



Sawys

Sawys

Bella  
to City

#1 - Original Shaft  
 54' Drift 50' n-60'S  
 Stopped back (abandon  
 more than 50000' from this shaft)

#2 - Hayden Shaft  
 90° Con. at 54 with  
 Old Wks - Vein is 40'  
 E of bottom. est. down  
 300' from top at 33'

#3 - Baker Shaft - 70-20'  
 lower than #2 - bottoms  
 level - 135' S of #2 -  
 about 23000' from  
 this shaft