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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: KEPPLER MINE

ALTERNATE NAMES:

IRON KING  
OWL  
ARIZ GOLD

GREENLEE COUNTY MILS NUMBER: 58

LOCATION: TOWNSHIP 4 S RANGE 30 E SECTION 19 QUARTER NW  
LATITUDE: N 33DEG 04MIN 25SEC LONGITUDE: W 109DEG 18MIN 06SEC  
TOPO MAP NAME: CLIFTON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

GOLD  
SILVER  
COPPER  
IRON

BIBLIOGRAPHY:

ADMMR KEPPLER MINE FILE  
ADMMR U FILE  
COE AND VAN LOO CONSULTING ENGRS. INFO  
FILE CONTAINS CONFLICTING INFO. (NOT SURE  
WHETHER THIS PROP. IS OWNED BY P.D.)

NAME OF MINE:  KEPLER  
OWNER:

COUNTY: Greenlee  
DISTRICT:  
METALS: Au

OPERATOR AND ADDRESS		MINE STATUS	
Date:	J. R. <input checked="" type="checkbox"/> Cray, 1916 E. 1st St.,	Date:	
2/46	Tucson, Ariz.	2/46	Developing
2/47	Owens & Hall, Clifton	5/46	Idle
		2/47	Developing

*Angerman* *Wolcott*  
DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
OWNERS MINE REPORT

Date

Mine **KEPLER PROPERTY**

District

Location **NE bank of San Francisco River  
Canyon, 3 miles from Clifton, Ariz.**

Former name

Owner

Address

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals **Gold**

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. **Unpatented and not surveyed in 1931**

Description: Topog. & Geog. **See attached report.**

Mine Workings: Amt. & Condition

Geology & Mineralization **See attached report**

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route **Impassable after heavy rains.**

Water Supply **Plenty available in shallow wells on the river bank.**

Brief History

Special Problems, Reports Filed

Remarks

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

**ATTACHED HERETO;**  
**Mining Engineer's Report,**  
**Ira B. Joralemon, San Francisco, California,**  
**May 11, 1931.**

Signed.....

Use additional sheets if necessary.

MINING ENGINEER'S REPORT

on the

✓  
KEPPLER PROPERTY, GREENLEE COUNTY, ARIZONA

(By Ira B. Joralemon)

PURPOSE OF EXAMINATION:

The following report is based on two days study of the Geology of the Keppler Property, on May 2nd and 3rd, 1931. The attached map was made from a rough compass and pacing survey as no other maps were available. No samples taken. If the thorough sampling now being carried on by Mr. R. J. Orynski checks his preliminary samples, the evidence as to the grade of ore will be as conclusive as the slight development permits. The purpose of the examination by the undersigned was to determine how the ore occurs and whether there is likely to be enough of it to justify developing and equipping the property.

LOCATION AND PROPERTY:

The Keppler property is on the Northeast bank of the San Francisco River canyon three miles off the Town of Clifton, Arizona. The automobile road up the canyon crosses the river bed a mile below the property, and is impassable after heavy rains. A few hundred yards of rock cut would complete a good road to the property on the East side of the river. The claims extend from the lower slopes near the river for a mile and half East covering the steep bank of the canyon and rolling plateau six or eight hundred feet above the bottom. The width of the claims under option and new locations, from North to South is about a mile. The claims are unpatented and have not been surveyed. Some claims are over and some under the legal size and there are many unlocated fractions. A careful survey with amended locations to form a compact group, will be necessary before development can safely be undertaken. The most important Gold showings are in the shallow basin on top of the plateau about 4000 feet East of the River. A short gravity rope tramway would carry the ore to good Millsites near the river, with ample room for storage of tailings. The claims are bare save for occasional small junipers. There is no water on the plateau, but a plentiful supply is available in shallow wells on the river bank. At the altitude of 2600 to 3600 feet, the climate is excellent. When a road is completed up the East bank of the river, conditions for cheap operating will be unusually good.

GENERAL GEOLOGY:

The sketch map shows the distribution of rocks and mineralization on the Keppler property. The most important geological feature is a Dome shaped intrusion of red granite porphyry. On the South, this intrusion meets the Pre-Cambian Grano-diorite basement of the district. On the West it forms the East bank of the San Francisco River, pitching under the limestone of the West bank. On the North, East and Southeast it is surrounded by a thick series of limestone beds, with a thinner layer of Quartzite underlying the limestone and deposited on top of the Grano-diorite basement. The part of the Granite Porphyry intrusion exposed by Erosion is roughly wedge shaped with a length of about 6000 feet from the River to the point under the limestone on the Arizona No. 8 claim, and a maximum width of over half a mile at the River. The flat top of the Granite Porphyry Dome is on the plateau in and near the West end of the Arizona Gold claim. Over an area 2000 feet long from Northeast to Southeast and 600 to 800 feet wide the contact

with the overlying limestone must before erosion have been nearly horizontal or gently rolling. West of the crest the Dome pitches down to the river at an angle of 10 to 30 degrees, almost with the slope of the canyon wall.

The overlying limestone beds were tilted by the intrusion to almost the same dip, and several thin patches or caps of limestone remain on ridges, floating on the Granite Porphyry. To the North the pitch of the intrusion Dome is generally 20 to 40 degrees North. The dip of the overlying limestone is here somewhat flatter to the North making the intrusion cut the bedding at a very acute angle. On the East side of the Granite Porphyry Dome, which is most important from the point of view of Ore, the contact between Granite Porphyry and Limestone where exposed by erosion dips very flatly East and Southeast. This dip becomes much deeper further Southeast where the Granite Porphyry cuts the Quartzite and Grano-diorite. The dip of the limestone beds East of the intrusion is also flat and slightly rolling, with an average dip of 10 to 15 degrees Northwest, toward the intrusion. The accompanying section shows in a general way the relation of the Granite-Porphyry intrusion to the surrounding rocks. The small basin on top of the Dome in the West end of the Arizona Gold and Arizona No. 3, claims, is underlain by a thin, flat shell of cherty limestone, dropped down a few feet by small faults from its normal position and resting on Granite Porphyry. This shell is covered by 1 to 10 feet of soiled gravel. To the North and East it comes to a feather edge, with a thickness of only one or two feet. At the West end, next to the fault that terminates it against Granite-Porphyry. The thickness reaches a maximum of 23 feet or more. This thin horizontal fault block of mineralized limestone has been so continuously mineralized that it is all ore.

A persistent quartz Porphyry Dike 20 to 40 feet wide passes through the Eastern portion of the property cutting Grano-diorite, quartzite and limestone indiscriminately, this dike probably comes from the same source as the Granite Porphyry.

#### MINERALIZATION IN PORPHYRY:

The mineralization on the Keppler Property is associated with the Porphyry intrusions along the Porphyry dike in the Eastern part of the Property there is a little Iron staining and silification of no probable commercial importance. In and near the large Granite Porphyry Dome the mineralization with Gold bearing quartz is much stronger.

In the Granite Porphyry itself and in the Grano-diorite mineralization is confined to a few fracture zones, and to bands near limestone contacts. The strongest fracture zone is the one noted on the map extending for 3000 feet from Northwest to Northeast, from the Florence No. 1 claim to the thin limestone shell in the Arizona No. 3. At the Southwest end, in the Grano-diorite, this zone consists of irregular bleached and Kaolinized Diorite from 1 to 10 feet wide following a zone of shearing.

Staining by limonite occurs frequently. There are thin stringers of quartz, said to carry a Dollar or Two in Gold. Most of the outcrop is covered by boulders in a steep gulch. Further Northeast, in the Granite Porphyry, the bleaching and Kaolinization are more thorough and wider, perhaps because the contact with the limestone lies only a few feet to the East. There is also more yellow limonite in these outcrops, where a zone of cross fracture meets the main zone, the Kaolinization is 100 feet wide. There is little quartz in this zone until a point near the North end of the South Extension claim, where a discovery out at a point where a small branch meets the main shearing show 3 feet of fair looking quartz assaying \$2.00 in Gold. In general, this min-

eralized shear zone or vein in the igneous rocks shows evidence of strong mineralization with Iron pyrite carrying very little Gold. It was probably one of the main channels, for mineralizing solutions, but there is little to indicate that any considerable amount of Gold was left in it.

Several other lines of shearing in the Granite are accompanied by bleaching and Kaolinization with thin stringers of quartz. They are not strongly enough mineralized to have any importance. At almost all points where the limestone-granite porphyry contact is exposed, the porphyry is thoroughly bleached with pink feldspar changed to white kaolin and sericite, for 5 to 10 or more feet below the contact. There is considerable limonite stain in places, with occasional coats of pyrite crystals, filled with limonite. Stringers of quartz are frequent, but the material as a whole is not thoroughly silicified. The granite porphyry is bleached to a somewhat less degree where it was intruded into quartzite. A few assays of the bleached, altered granite porphyry most of them from pits through or near the flat limestone remnant on top of the Dome, have shown from 20 to 80 cents in Gold and about an ounce in Silver per ton. Mineralization seems strongest where steep bleached fracture zones in granite-porphry meet flat limestone contacts. Evidently the contact has been a very favorable channel through which pyrite bearing solutions spread out from the feeding fissures, but little Gold or Silver was deposited with the pyrite in the altered porphyry.

MINERALIZATION IN LIMESTONE, POSSIBLE ORE BODIES:

In the limestone there is nearly always mineralization near the porphyry contacts, in Placer the limestone is silicified with very little gold. Elsewhere it carries much higher Gold values that may be the basis of a profitable mining operation. The most promising area are described below:

The only place where ore has actually been developed is in the shell or cap of altered limestone on top of the Porphyry Dome in the Arizona Gold and Arizona No. 3 claims. The form of the limestone body has been described above. Almost all of this capping is covered with soil or gravel, which should be Gold bearing, but which has not yet been sampled. Under this detrital material, many shallow surfact cuts and pits have developed thoroughly silicified Iron stained limestone carrying from \$1.00 to nearly \$20.00 per ton in Gold. While development is too scanty and irregular to allow a real estimate of value, it looks as though this whole mass of mineralized limestone may average \$6.00 per ton in Gold, with an ounce in Silver. The outline of the limestone remnant as indicated on the map is fairly definite. It covers about 250,000 square feet of area or 5.7 acres. The thickness is exceedingly irregular and the bottom has not been reached in several pits. Toward the Northwest and especially where the thickness is the greatest, only the main shaft has reached the underlying porphyry. Here the thickness of ore is 25 feet, and the Gold content varies from \$6.50 to \$15.00 per ton in the shaft and the short drifts. Toward the East the quartz is thinner, and sometimes only a foot or two remains between the gravel and the limestone. A fair guess as to the average thickness is 7 feet, with a specific gravity factor of 14 cubic feet to the ton, which seems reasonable with such loose surface material. The possible ore in this flat remnant is 125,000 tons average \$6.00 per ton.

The best chance for additional ore is in the limestone East and Southeast of the porphyry mass. From the center of the "South Extension" claim Northeast to the irregular porphyry outcrop, in the Southeastern part of the Arizona Gold Claim there are frequent bands of quartz and iron oxide from a few inches to three feet wide intersecting fractures in the limestone near the porphyry contact. The most prominent of these are shown on the map. The discovery pit

of the Arizona No. 3 Claim shows an 8 foot bed of quartz and limonite hanging wall and an altered porphyry foot-wall. This flat mineralization can be traced for nearly 200 feet from North to South. It had not been sampled at the time of examination. Silicification and Iron staining of the limestone near the porphyry contact continues for 1000 feet East of the Arizona No. 3 discovery pit, South of the Extension porphyry mass to the East.

While most of the silicification is irregular, replacing very cherty limestone beds in the Northeast corner of the Arizona No. 7 claim there is an outcrop of nearly solid iron stained quartz about 100 feet in diameter. Surface sample of this material assayed \$1.50 in Gold. It dips with the limestone 15 degrees northwest nearly parallel to the slope of the hill, so the apparent width is exaggerated.

All of these silicified limestone outcrops indicate that replacement ore-bodies occur at intervals through a mass of limestone 2000 feet long and 200 to 400 feet wide, southeast of the granite porphyry contact.

The ore bodies will replace the flat west-dipping limestone bedding, or the equally flat east dipping contact with the underlying porphyry. Judging from the length of the better outcrops, individual ore bodies are likely to be 100 to 200 feet long horizontally, with lean or barren material between them. The probable thickness of ore will be 5 to 10 feet. As there is no development in this area, and the outcrops are so loose and porous that Gold could be washed out mechanically, the grade of these possible ore bodies is quite uncertain. At the best it is likely to be about that of the partly developed area in the limestone remnant on top of the dome, or \$6.00 per ton. While no real estimate of tonnage or grade in these possible replacement bodies can be made, without further development, there seems to be a fair chance of finding from 100,000 to 150,000 tons of \$6.00 ore, in flat bodies covered by 5 to 30 feet of barren limestone.

There is a possibility that other flat replacements will be found in the limestone remnants cropping on the west slope of the porphyry dome, toward the San Francisco river. Surface mineralization around the edges of these remnants is not as great as that on the east side of the dome. However, there is some alteration, silicification and iron staining, both of the limestone and the underlying porphyry. Some of the Placer Gold on gravel benches east of the river may have come from eroded parts of the limestone-porphry contact. Development here will be justified only if ore bodies, east of the porphyry, are of satisfactory size and grade.

PROBABLE COSTS:

The 6 acre ore body on top of the dome can be mined very simply by power shovel. If the overlying gravel and soil does not contain enough Placer Gold to pay for milling, it can be dumped on the barren porphyry. Assuming that this is done, the final cost of mining this flat surface ore should be about 50 cents per ton.

If ore bodies are found under the limestone capping east of the porphyry, they can be mined by power shovel for much of their length, as the thickness of capping will be small. Further in the hill, the remaining part of the ore can be mined by open stopes, leaving lean pillars to support the fairly solid limestone roof. The cost of mining these ore bodies should not exceed \$1.50 per ton, giving an average mining cost for all ore of \$1.00 per ton. A gravity rope tramway less than a mile long would take ore to a good mill-site on the bench east of the river for a few cents per ton.

If as preliminary tests reported by Mr. Orynski indicate the milling cost does not exceed \$1.50 per ton, and with a good recovery, five or six dollar ore will yield an excellent profit.

SUGGESTED DEVELOPMENT:

To develop this possible ore, the following work is recommended. First; sink test pits on regular 50 foot co-ordinates in the 6 acre flat ore body on top of the dome. Where the ore is deeper than 10 to 12 feet, test pits can be supplemented by hand-churn drill holes from the bottom of the pits. Test pits and drill holes should be carefully sampled as the work progresses.

Second: East of the porphyry, continue the regular test pits and drill holes on 50 foot co-ordinates as long as the flat limestone-porphry contact remains within reach, and is well mineralized, as the hand churn drill holes can be put down 20 to 25 feet without difficulty. This should block out the greater part of any ore bodies in this area.

Third: Run a tunnel southeast from the discovery pit of the Arizona No. 3 Claim, following the flat mineralized bed exposed in the pit.

Fourth: Run a second tunnel southeast on the best mineralized showing near the northwest corner of the Florence No. 2 Claim.

Development of the limestone should be discontinued if the first few pits and the beginning of the tunnels do now show commercial value. The cost of developing the thin 6 acre ore body in this way should not exceed \$7500.00. The cost of developing the area east of the porphyry should not be more than \$5000.00 if the mineralization proves too lean to be commercial. If ore is found, the development may cost an additional \$10,000.00 to \$15,000.00.

CONCLUSION:

There is an excellent chance of finding from 100,000 to 300,000 tons of Five to Six dollar Gold ore on the Keppler property. The expenditure of \$10,000.00 will prove whether or not the ore bodies will have this grade, and \$10,000.00 to \$15,000.00 more will complete the development. All ore will be very near the surface, so that both development and mining will be cheap. The operating profit should be \$2.00 to \$3.00 per ton. Owing to the very favorable location, the total investment for development and equipment for production at the rate of 200 tons per day should not greatly exceed \$200,000.00. This does not include the purchase price.

The preliminary development is well worth while on the chance of finding a very profitable Gold mine.

SIGNED:

IRA B. JORALEMON

San Francisco, California,

May 11th, 1931.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine **Keppler Mine**

Date **July 9, 1956**

District **Gold Mountain Dist., Greenlee Co.**

Engineer **Axel L. Johnson**

Subject: **Present Status.**

Location About 3 miles north of Clifton.

Number of Claims Formerly 18 lode claims.

Owners Assessment work not done. Reported to be open for location.

Operators None. Property is idle.

Principal Minerals. Reported as not containing any minerals of any value.

Present Status. Open for location.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona

MINE OWNER'S REPORT

Date: March 11, 1949

1. Mine: The Keppler Mine
2. Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range. \_\_\_\_\_ Nearest Town: Clifton  
 Distance: about 3 mi. Direction: North Road Condition: Good Road
3. Mining District & County: Greenlee Gold Mt. Mining District & Greenlee Co.
4. Former Name of Mine: The Keppler Mine
5. Owner: Caroline V. Keppler & some others  
 Address: Clifton Ariz. Box 1026
6. Operator: Not Operated  
 Address: \_\_\_\_\_
7. Principal Minerals: Gold & Silver, & some Copper
8. Number of Claims: 18 Lode \_\_\_\_\_ Placer \_\_\_\_\_  
 Patented: Two groups of claims Unpatented: All going, most of these claims unpatented
9. Type of Surrounding Terrain: Mts. & Paddy  
One assayer on the ground claimed it had platinum & some have claimed they found nickel. But I cannot say, for my husband passed away. My husband milled some of the lowest grade ore. But it paid to save it. The assayers, Hawley & Hawley at Douglas Ariz. did all the assaying. The shaft averaged 1/2 oz per ft all the way down ledge.
11. Dimension & Value of Ore Body: Ore body is 15 ft. wide.  
A shaft is sunk down 35 ft, sunk through ore all the way. Some ore very rich & some very poor. But good enough for my husband to mill.

12. Ore "Blocked Out" or "In Sic" I have not see the mine since I moved away. My husband ~~passed~~ <sup>passed</sup> away in 1945, I had to move to Clifton. People were taking the ore away before I left, so I cannot say how it is now.

Ore Probable: .....

.....

.....

13. Mine Workings—Amount and Condition: .....

No.	Feet	Condition
Shafts: <i>2 over and may be filled up,</i>		
Raises		
Tunnels: <i>Several</i>		
Crosscuts		
Stopes		

14. Water Supply: *It have water right from The San Francisco River, Plenty of water,*

15. Brief History: *I own 120 acres of U. S. Patented land on the West side of the San Francisco River of Palgar-Red, I cannot say how rich it is now,*

*It was sold to a Diamond Buyer in Chicago His party came here & got all the papers I signed, up for <sup>silver</sup> to pay cash when he came from Africa, He came back & died & he lost every papers all, except a report, I have not the map But I have a report, I haven't it handy, But*

16. Signature: *Cammielate Keppler,*

17. If Property for Sale, List Approximate Price and Terms: *Property for sale. You come over & look it over, I own the U. S. patent land alone, Other parties own an interest with me. I P. re. The controlling interest. Other will have to*

mine  
 with  
 them  
 watch it call on

MINE MANAGEMENT  
CONSULTING  
ENGINEERING

TELEPHONE  
3-3034

J. S. COUPAL  
MINING ENGINEER  
PHOENIX, ARIZONA  
Jan. 12, 1949

*Manning*

REPLY TO  
Arizona Club, Luhrs Bldg.  
Phoenix, Arizona

Mrs. John G. Keppler,  
P.O. Box 1026,  
Clifton, Arizona.

Dear Mrs. Keppler:

I have received your letter of January 1st, and am sending it to the Department of Mineral Resources, asking them to have their engineer contact you the next time he is in Clifton.

It is possible that they may be able to recommend your property in reply to some of the inquiries that they receive.

Very truly yours,

*J. S. Coupal*  
J. S. Coupal.

Jan. 12, 1949

Arizona Club, Luhrs Bldg.  
Phoenix, Arizona.

Mr. Charles H. Dunning, Director,  
Department of Mineral Resources,  
State Fair Grounds,  
Phoenix, Arizona.

Dear Chuck:

I am enclosing a letter from Mrs. Keppler of Clifton, Arizona,  
together with a copy of my reply to her.

The next time one of the engineers is in the district, it  
might pay to have him contact Mrs. Keppler and get together  
such information as is available on the property for your  
files.

Very truly yours,

*J. S. Coupal*  
J. S. Coupal.

COPY

April 7, 1942

Mr. John G. Keppler  
Box 1026  
Clifton, Arizona

Dear Mr. Keppler:

I am enclosing a copy of Mine Owner's Report filed with this department covering the IRON KING MINE in Greenlee County.

I shall be glad to submit these reports to anyone making inquiry for a property such as yours.

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

Yours very truly,

J. S. Coupal

JSC:LP  
Enc.

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

MI-11

Date: March 20, 1942.

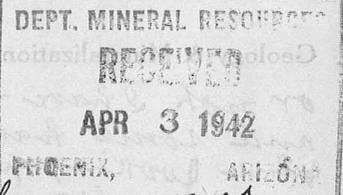
1. Mine: Iron King Mine.
2. Location: Over 2 miles from Clifton, Arizona, northerly route.
3. Mining District & County: Greenlee Gold Mt. Min. Dis. Greenlee County.
4. Former Name:
5. Owner: Cammie Tate Keppler (Wife of John G. Keppler.)
6. Address: (Owner) Clifton, Arizona, Box 1026.
7. Operator: None.
8. Address: (Operator)
9. President, Owing Co.:
- 9A. President, Operating Co.:
10. Gen. Mgr.
14. Principal Minerals: Iron. I had an assay for gold, got a trace.
11. Mine Supt.:
15. Production rate: It is not being worked.
12. Mill Supt.:
16. Mill: Type & Cap.:
13. Men Employed:
17. Power: Amt. & Type:
18. Operations: Present
19. Operations: Planned: I had planned to work it, but on account of poor health, I would rather sell it, so it is for sale.
20. Number Claims, Title, etc.: Three; Iron King Mine, Iron King No. 1, Iron King No. 2.
21. Description: Topography & Geography: Rugged, on the side of mountain, a canyon on side  $1\frac{1}{2}$  miles from the San Francisco River. Plenty of water; water in canyon for camping purposes.
22. Mine Workings: Amt. & condition: About 100 feet of tunnel or more; has a large ledge at the mouth of tunnel, about 12 feet wide. The main ore body runs North and South. The ledge goes down, a sinking proposition. It is a fine looking iron mine. I had it assayed for gold, but not for iron or manganese, but I believe it contains manganese.

(over)

23. Geology & Mineralization: Oxides. I do not know whether it is a fissure vein or not. I have mined from my youth and been with engineers, and some have one opinion and some have another. It is as fine a looking proposition as I have seen. I have mined all my life; was an ore sampler for three years in my youth. I am not a young man now.
24. Ore: Positive & Probable, Ore Dumps, Tailings: Plenty of room for ore dumps and tailings.
- 24A. Dimensions and Value of Ore body: One vein, or maybe more.
25. Mine, Mill Equipment & Flow-Sheet.
26. Road Conditions, Route: About 6% grade, yes, possible the year around. A very good road to about  $\frac{1}{2}$  mile within the tunnel. I think a good road can be built easily. This means from Clifton, Arizona.
27. Water supply: Get all the water you will need from the San Francisco River,  $1\frac{1}{2}$  miles from tunnel.
28. Brief History:
29. Special Problems, Reports Filed:
30. Remarks: Will not take much money to develop. You can go there and take out iron ore, by doing a little road work.
31. If property for sale: Price, terms and address to negotiate. For sale, Price, \$6,000. I would rather have cash, but terms can be arranged. Box 1026, Clifton, Arizona. I live 4 miles from Clifton; on right hand side of road going up the river, opposite the Clifton Water Pumping Plant.

Signed: John G. Keppler.

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



Date *March, 20, 1942.*

1. Mine *Iron King Mine.*
2. Location *Over 2 miles from Clifton Ariz  
Northernly Route.*
3. Mining District & County *Greenlee Gold Mt. Mining  
Greenlee County, District*
4. Former name \_\_\_\_\_
5. Owner *Cammie Kate Keppler. (Wife)  
of John G. Keppler*
6. Address (Owner) *Clifton Ariz, Box 1026.*
7. Operator *None*
8. Address (Operator) \_\_\_\_\_
9. President, Owinging Co. \_\_\_\_\_
- 9A. President, Operating Co. \_\_\_\_\_
10. Gen. Mgr. \_\_\_\_\_
14. Principal Minerals *Iron, I had an  
assay for gold, got a trace*
11. Mine Supt. \_\_\_\_\_
15. Production Rate *It is not being worked*
12. Mill Supt. \_\_\_\_\_
16. Mill: Type & Cap. \_\_\_\_\_
13. Men Employed \_\_\_\_\_
17. Power: Amt. & Type \_\_\_\_\_
18. Operations: Present

19. Operations: Planned *I had planned to work it, but on account of  
feeble health, I had rather sell it. So it is for sale -*

20. Number Claims, Title, etc. *Three, Iron King Mine, Iron King No. 1, Iron King No. 2,*

21. Description: Topography & Geography *Rugged, on the side of Mt., a canyon on side  
1 1/2 miles from the San Francisco River. plenty of water, water in  
canyon for camping purposes.*

22. Mine Workings: Amt. & Condition *About 100 ft. of tunnel or more, was a large ledge  
at the mouth of tunnel, about 12 ft. wide, The main ore body runs N.  
and S. The ledge goes down, A sinking proposition.  
It is a fine looking Iron mine.  
I had it assayed for gold but not for <sup>(over)</sup> iron nor manganese. But I  
believe it contains manganese.*

23. Geology & Mineralization Ore etc. I do not know whether it is a future vein or not. I have mined from my youth & been with engineers and some have one opinion & some have another. Well it is a fine looking proposition. I have mined all my life, I was an ore sampler for 3 years in my youth. I am not a young man now.
24. Ore: Positive & Probable, Ore Dumps, Tailings Plenty room for ore dumps & tailings.
- 24A. Dimensions and Value of Ore body One vein, or may be more.
25. Mine, Mill Equipment & Flow-Sheet
26. Road Conditions, Route About 6% grade, yes possible the year arounds. A very good road to about 1/2 mile within the tunnel. I think a good road can be built easily. This means from Clifton, Arizona.
27. Water Supply Get all the water you will need from The San Francisco River 1 1/2 miles from tunnel.
28. Brief History
29. Special Problems, Reports Filed
30. Remarks Will not take much money to develop. You can go there & take out Iron ore, by doing little road work.
31. If property for sale: Price, terms and address to negotiate. For sale, Price \$6000. I would rather, have cash. But terms can be arranged.
32. Signature..... John G. Keppeler.
33. Use additional sheets if necessary. Box 1026 Clifton, Ariz. I live 4 miles from Clifton, On right hand side of road going up the River, Opposite the Clifton Water Pumping plant.

MK-12

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
MINE OWNERS REPORT

Date - August 22, 1941

Mine - Keppler Property

Location - NE bank of San Francisco

Mining District & County - Greenlee Co.

Former Name

Owner - Keppler Bros.

Address - Arivaca, Arizona

Operator

Address

President, Owing Co.

President, Operating Co.

Gen. Mgr.

Principal Minerals - Gold

Mine Supt.

Mill Supt.

Production Rate

Mill: Type & Cap.

Men Employed

Power: Amt. & Type

Operations: Present - None

Operations Planned - Pending further development, financing, and milling facilities.

Number Claims, Title, etc. - Unpatented - unsurveyed area.

Description: Topography & Geography - Steep precipitous country. Bare of vegetation excepting junipers - Claims cover from river to a rolling plateau 800 ft. above rim.

Mine Workings: Amt. & Condition - Developed or uncovered by pits, shafts and surface cuts on outcrops.

Geology & Mineralization - Gold occurs in the silicified and altered limestone near granite or grano-diorite contact. Ore zones indicated by hematite and limonite coloring of limestone and in quartz veins.

Ore: Positive & Probable, Ore Dumps, Tailings. - Possible 125,000 tons of \$6 value ore in one segment of limestone. Additional areas of large extent indicated by surface showings.

Dimensions and Value of Ore body - In shaft, a thickness of 25 ft. of mineralized limestone. The gold content varying from \$6.50 to \$15. Average thickness of about 7 ft. Probably 100,000 to 300,000 tons of \$5 to \$6 ore.

Mine, Mill Equipment & Flow Sheet - No mill equipment.

Road Conditions, Route - 3 miles up San Francisco Creek from Clifton. Present road crosses river which at times is impassable. New road is about to be built, which will make for cheap transportation.

Water Supply - Available at or near river by shallow wells.

Brief History - Report by Ira B. Joralemon, 5/11/31, on file.

Special Problems, Reports Filed - Need tramway to river for milling.  
Cost of milling should not exceed \$1.50 per ton.

Remarks - Mining of one six acre showing of flat ore body should be about 50¢ per ton by shovel to \$1 to \$1.50 per ton on underground work.

If property for sale: Price, terms and address to negotiate - For sale.  
Apply for terms.

SIGNED - Keppler Bros.  
By J. S. Coupal

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

Revised 1-11-66

~~XXXXXXXXXX~~ MK-12

Mine *Keppeler Property*  
Mining District & County *Greenlee County*

Date *8/22*  
2. Location *NE Bank of San Francisco River  
3 miles from Clifton.*

Former name  
Owner *Keppeler Bros.*

6. Address (Owner) *[Signature]*  
8. Address (Operator)

Operator  
President, Owning Co.

9A. President, Operating Co.  
14. Principal Minerals *Gold* ✓

Gen. Mgr.  
Mine Supt.

15. Production Rate  
16. Mill: Type & Cap.

Mill Supt.  
Men Employed

17. Power: Amt. & Type

Operations: Present *none*

Operations: Planned *pending further development financing  
and milling facilities.*

Number Claims, Title, etc. *unpatented - unmined area.*

Description: Topography & Geography *Steep precipitous country - bare of vegetation  
excepting junipers - claims run from river to a  
rolling plateau 500 feet above river.*

Mine Workings: Amt. & Condition  
*Developed & unmined by pits & shafts and  
surface cuts on outcrops.*

**Geology & Mineralization** Gold occurs in the silicified and altered limestone near a granite or grano-diorite contact. Ore zones indicated by hematite & limonite staining of limestone ~~and in~~ quartz veins.

**Reserve: Positive & Probable, Ore Dumps, Tailings**  
Possible 125,000 tons of \$600 value ore in one segment of limestone. Additional areas of large extent indicated by surface showings.

**Dimensions and Value of Ore body**  
In shaft, a thickness of 25 feet of mineralized limestone. The gold content varying from 0.50 to 1.50 - a guess at average thickness of 10 feet - Probably 100,000 to 300,000 tons of 1500 to 600 ore.

**Mine, Mill Equipment & Flow-Sheet**  
No mill equipment.

**Road Conditions, Route** 3 miles up San Francisco Creek from Clifton. Present road crosses river ~~which~~ at times is impassable. New road is about to be built - which will make for cheap transportation.

**Water Supply** Available at or near vein by ~~some~~ shallow wells.

**Brief History** Report by Ira B. Jerusalem - 5/11/31. on file.

**Special Problems, Reports Filed** Used tramway to mine for milling. Cost of milling should not exceed \$1.50 per ton.

**Remarks** Milling of one six acre showing of flat ore body should be about 50¢ per ton. by shovel to 100 to 150¢ per ton on underground bank.

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

For Sale Dep. reply for terms

32. Signature K. J. Brown  
134 159

There is a road to the mine  
but no buildings on it  
But on some there was an ~~in~~ <sup>in</sup> ~~layer~~  
told my husband there was platinum  
and a surveyor told me one part  
had nickel on it

I have never told no one for  
my husband passed away in 1945  
and I had to keep it a secret  
I lost your letter, the girl that

Clean my room, misplaced  
all my things I shall be  
sorry to be walking again  
I think I shall soon be  
walking

Resps  
Mrs. John G. Kuppel

Clifton, Ariz. Co., 1026,  
Jan., 1, 1949,

Mr. J. S. Coupal,

Dear Mr. Coupal, Please excuse  
my tardiness in answering your letter.  
I appreciated your quick reply. I have a  
~~I~~ a geologist's report on this mine.  
It is a favorable report. You write to Miss  
Harriet Sweeting Clifton. She is the  
Secretary of the A.S. M.L.A. She knows where the  
ground is. I have a lot more ground on the San  
Francisco River. It is all patented ground.  
This ~~is~~ first is not all patented, that is it was  
not, but was to be. I got ~~in~~ injured ~~so~~  
badly I stayed in the hospital so long  
I have not seen the pastor. But will find  
out all & let you know, for I want to all