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PRINTED: 10/18/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JOSEPHINE

ALTERNATE NAMES:

GOLDEN NUGGET

LEAD CLAIMS

COCHISE COUNTY MILS NUMBER: 906

LOCATION: TOWNSHIP 24 S RANGE 20 E SECTION 2 QUARTER S2

LATITUDE: N 31DEG 22MIN 00SEC LONGITUDE: W 110DEG 17MIN 03SEC

TOPO MAP NAME: MONTEZUMA PASS - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

GOLD LODE

SILVER

LEAD

COPPER SULFIDE

COPPER OXIDE

ZINC

BIBLIOGRAPHY:

ADMMR JOSEPHINE FILE

04/02/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

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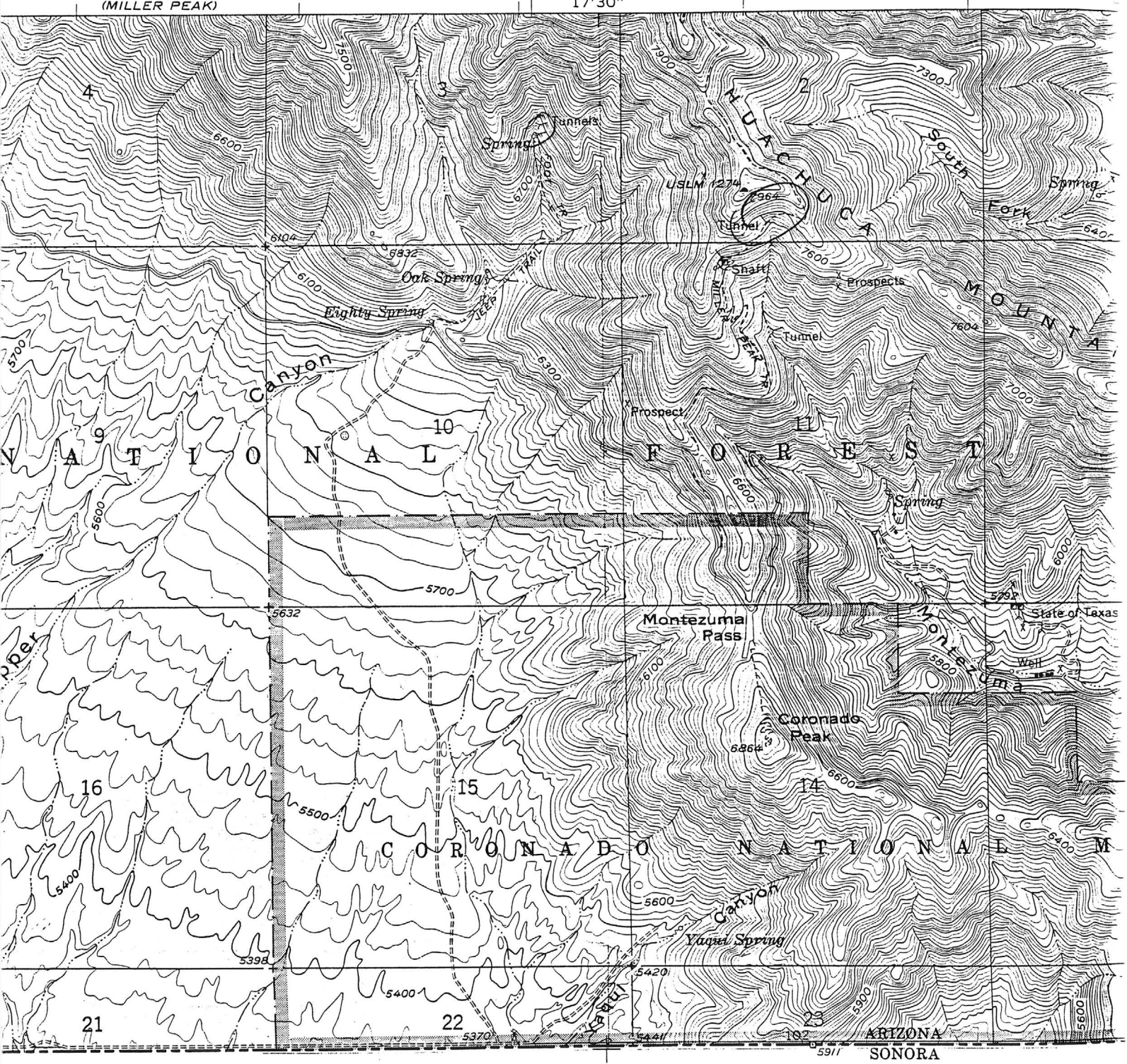
BIBLIOGRAPHY:

ADMMR JOSEPHINE FILE

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

(MILLER PEAK)

17'30"



-2-

mouth
34' + 6' + 10' + 12' + 16' = 78'
Blasted & sampled for 52 ft. 48 ft.

Homotite iron
Gold only for 4 ft.

Stocky gives way to great quality
8 5" to 16" in width.

Almost barren
76 ft.
16" to 36" in width

iron quartz & lead
45 ft. x 78 ft.
20" to 36" in width
most of sample

Water course

Water & coke

-2-

16 ft. to 1 in.

RETURN RECEIPT

Received from the Postmaster the Registered or Insured Article, the original number of which appears on the face of this Card.

John H. McWilliamson Sr.
(Signature or name of addressee.)

(Signature of addressee's agent.)

Date of delivery *Feb 26 1942*

Form 3811

Form 3806 (Rev. Jan. 21, 1935)

Receipt for Registered Article No. **11083**

Registered at the Post Office indicated in the Postmark

Fee paid *5* cents Class postage *1*

Declared value *25* Surcharge paid, \$

Return Receipt fee *1* Spl. Del'y fee

Delivery restricted to addressee:

in person, or order Fee paid

Accepting employee will place his initials in space indicating restricted delivery.

POSTMASTER, per

The sender should write the name of the addressee on back hereof as an identification. Preserve and submit this receipt in case of inquiry for application for indemnity.
Registry Fees and Indemnity.—Domestic registry fees range from 15 cents for indemnity not exceeding \$5 up to \$1 for indemnity not exceeding \$1,000. The fee on domestic registered matter without intrinsic value and for which indemnity is not paid is 15 cents. Consult postmaster as to the specific domestic registry fees and surcharges and as to the registry fees chargeable on registered parcel-post packages for foreign countries. Fees on domestic registered C. O. D. mail range from 25 cents to \$1.20. Indemnity claims must be filed within one year (C. O. D. six months) from date of mailing.

U. S. GOVERNMENT PRINTING OFFICE

16-6852

(POSTMARK OR)



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

March 3, 1958

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

Lead Claim No. 1 Lead.
(Property) (ore)

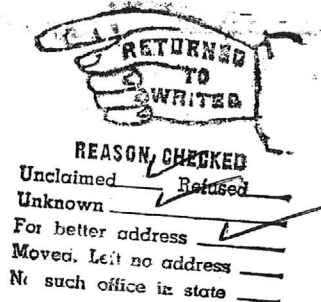
We have an old listing of the above property which we would like to have brought up to date.

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



Mr. John L. McWilliams
Bisbee, Arizona

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

February 24, 1958

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

~~JOSEPHINE MINE~~ ~~LEAD~~ ~~GOLD~~ ~~SILVER~~
(Property) (ore)

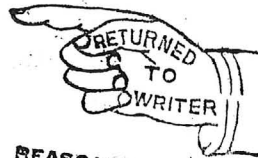
We have an old listing of the above property which we would like to have brought up to date.

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



REASON CHECKED
Unclaimed ☒ Refused.....
Unknown ☒
Insufficient address.....
Moved, Left no address.....
No such office in state.....
Do not remain in this envelope



Box closed Mr. John L. McWilliams, Sr.
Box 3787
Lowell, Arizona

13 March 1942

Mr. John L. McWilliams, Sr.,
Box 3787,
Lowell, Arizona.

My dear Mr. McWilliams:

I am enclosing herewith a copy of mine owner's report filed with this department covering the JOSEPHINE MINE located in the Hartford Mining District, Cochise County, Arizona.

I am also returning copy of report on this mine made by Mr. Ralph L. Motz of Bisbee, Arizona, and copies of Certificates of Assay - three from Hawley & Hawley, Douglas, Arizona, and one from Ralph L. Motz, Bisbee, Arizona.

You will note that copies have been made of the above report and assay sheets and filed with the mine owner's report.

I shall be glad to submit a copy of 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,

Charles F. Willis
Chairman, Board of Governors

CFW-jrf
encls.

REGISTERED MAIL
RETURN RECEIPT REQUESTED

DEPT. MINERAL RESOURCES Dec. 17, 1942

RECEIVED

DEC 19 1942

PHOENIX, ARIZONA

MEMORANDUM

McWilliams Group
(Ash Canyon)

To: Director, Dept. Mineral Resources
From: George A. Ballam

I assisted McWilliams in making application for \$10,000 development loan after examining his property yesterday. It is another of those things which may be a big mine but which has been held back by the most extreme difficulties of access. I hope there are none of them left in the state. I have had three this week and am about fixed up with them.

At present this is a good prospect and if gold could be used as a factor, would perhaps qualify. The mine however appears yet to be developed. It is one of those things which I fear will not qualify, yet the owner is insistent and I wanted to play safe. After all, it could be a good one.

McWilliams believes he can work out transportation with a cat. and wagon. I think the grade is far too steep. If a mine can be developed a road is a possibility but would be expensive. It looks like burros until a cableway is justified.

G. A. Ballam

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

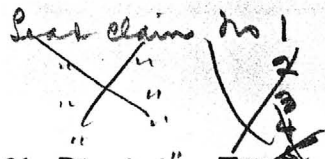
Date 2 February 1942

1. Mine Josephine Mine
3. Mining District & County Houghton Mining Dist
Cochise County
4. Former name
5. Owner John F. McWilliams, Sr.
Mrs. Josephine Johnson & Chas. Morgan
7. Operator
9. President, Owning Co.
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Men Employed
18. Operations: Present assessment work

2. Location 20 miles W. of San Juan
6. Address (Owner) all Box 3187
8. Address (Operator) Lowell
9A. President, Operating Co.
14. Principal Minerals lead, gold & silver
15. Production Rate
16. Mill: Type & Cap. none
17. Power: Amt. & Type none

19. Operations: Planned none

20. Number Claims, Title, etc. 11 claims of 20.661 acres each.



21. Description: Topography & Geography

Sides of mountains are very steep and are covered with a good growth of oak & pines from which timber can be obtained.

Elevation approximately 7000 ft.

22. Mine Workings: Amt. & Condition

main workings are at center of claim.
1 tunnel 100 ft long driven on the dip of the vein. At 30 ft in the tunnel a crosscut has been driven along the strike to the south for 200 ft. The vein averages 6 ft in width with about 2 ft of good grade lead-gold ore.

(over)

23. Geology & Mineralization *with intrusions of rhyolite intersect with numerous veins of quartz. Most of these quartz veins are small with the exception of the main vein, on the west side of the claim is a contact between the granite, rhyolite and limestone. There is also a siliceous garnetiferous vein carrying copper minerals.*

24. Ore: Positive & Probable, Ore Dumps, Tailings *There is a considerable tonnage of ore on dump.*

24A. Dimensions and Value of Ore body *main vein is of quartz in the granite & can be traced for several miles; the vein averages 6 ft in width with about 3 ft of good grade lead-gold ore. on hanging wall is a streak of iron oxide 1 to 2 inch in width in which can be seen fine gold. There are small kidneys of ore high grade ore. There is a considerable tonnage of ore on dump. Average sample taken some time ago by Charles Thompson, ran gold 1.54 g. 2.53 g. Silver 2.7 g. \$1.92 + cost 43.80 to 43.80. a total value per ton of \$49.62.*

25. Mine, Mill Equipment & Flow-Sheet *none*

26. Road Conditions, Route *2 mi off paved road - good trail within 1/2 mile of property. could be built all way at a reasonable cost.*

27. Water Supply *numerous Springs with an abundant supply of good water*

28. Brief History

29. Special Problems, Reports Filed -

30. Remarks *Estimate \$6,000 needed to equip & operate on about 2 cars a week - 30 to 50%. Lead content.*

31. If property for sale: Price, terms and address to negotiate. *Prefer lease - (+ option) partly with equipment & capital. graduated royalty 10% up - see owner -*

32. Signature.....

33. Use additional sheets if necessary.

MJ-13

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date: 2 February 1942

1. Mine: JOSEPHINE MINE

2. Location: 22 miles West of Don Luis,
Arizona.

3. Mining District & County: Hartford
Mining District, Cochise County, Arizona.

4. Former Name:

5. Owners: John L. McWilliams, Sr.,
Mrs. Josephine Johnson and
Charles Morgan

6. Address (Owners): All -
Box 3787,
Lowell, Arizona.

7. Operator:

8. Address (Operator):

9. President, Owning Co:

9A. President, Operating Co:

10. Gen. Mgr:

14. Principal Minerals: Lead, Gold
and Silver.

11. Mine Supt:

15. Production Rate:

12. Mill Supt:

16. Mill - Type & Cap: None.

13. Men Employed:

17. Power - Amt. & Type: None.

18. Operations - Present: Assessment work.

19. Operations - Planned: None.

20. Number Claims, Title, etc: 11 claims of 20.661 acres each.

21. Description - Topography & Geography: Side of mountains are very steep and are
covered with a good growth of oak and
pines from which timbers can be obtained. Elevation approximately 7,000 feet.

22. Mine Workings - Amt. & Condition: Main workings are at center of claims.
1 tunnel - 100 ft. long driven on the dip
of the vein. At 30 ft. in the tunnel a
crosscut has been driven along the strike to the south for 200 feet. The vein
averages 6 ft. in width with about 3 feet of good grade lead-gold ore.

(over)

23. Geology & Mineralization: Granite with intrusions of rhyolite and cut with numerous veins of quartz. Most of these quartz veins are small with the exception of the main vein. On the west side of the claims is a contact between the granite, rhyolite and limestone. There is also a siliceous garnetized vein carrying copper minerals.

24. Ore - Positive & Probable, Ore Dumps, Tailings: Average sample taken some time ago by Charles Morgan, ran gold 1.54 oz., \$53.90; Silver 2.7 oz., \$1.92 and Lead 43.8%. A total value per ton of \$99.62.

24A. Dimensions and Value of Ore body: Main vein is of quartz in the granite and can be traced for several miles. The vein averages 6 feet in width with about 3 feet of good grade lead-gold ore. On hanging wall is a streak of iron oxide, 1 to 2 inches in width, in which can be seen free gold. There are small kidneys of real high grade ore.

25. Mine, Mill Equipment & Flow-Sheet: None.

26. Road Conditions, Route: 2 miles off paved road - good automobile trail to within one-half mile of property. Good road could be built all way at a reasonable cost.

27. Water Supply: Numerous springs with an abundant supply of good water.

28. Brief History:

29. Special Problems, Reports Filed:

30. Remarks: Estimate that \$10,000.00 is needed to equip and operate - 2 cars a week - 30 to 50 per cent lead content.

31. If property for sale - Price, terms and address to negotiate: Prefer lease and option to responsible party with equipment and capital. Graduated royalty 10% up. See owners.

32. Signature: JOHN L. McWILLIAMS, Sr.,
P. O. Box 3787, Lowell, Arizona

JOSEPHINE

Pb, Au, Ag

Cochise

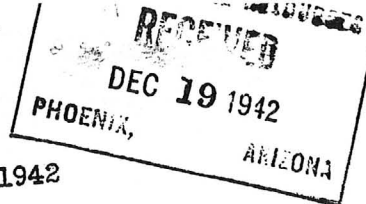
2 -

T 24 S, R 20 E

John L. McWilliams, Mrs. Josephine Johnson, Charles Morgan,
Box 3787, Lowell

'42

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Lead Claim No. 1 and others *New Gold Nugget Mine*
District Hartford Mng. Dist. *Cochise Co*
Subject: Production Possibilities Survey
Date Dec. 17, 1942
Engineer George A. Ballam

There are 11 claims in this group, held by location or purchase, by John L. McWilliams and others of Bisbee. Situated near the head of Ash Canyon, south fork, at an elevation of 700 ft. and higher. Approach is made from the ranger road up Ash Canyon, maintained by the county. An additional mile of road beyond Yaqui Garden has been built by placer miners in the district. The remaining two miles is a footpath up the precipitous face of the mountain. It would be necessary to pack ore out unless production warranted putting in cableway.

The mountain is mainly pegmatite with a capping of what appears to be quartz monzonite. At 7100' there is a nearly horizontal bed of quartz about two feet in thickness lying immediately beneath the capping. Dip in places about 10° to south. Some two hundred feet nearer the summit there is a lime dyke dipping to the west along which there is considerable mineralization with copper, lead and zinc outcropping.

At 7100' a tunnel has been driven to the west in the quartz bed. At the portal there were some rich kidneys of galena which have been practically removed. The tunnel divides, the south fork going in about 200' on a 10° down grade, following the strike of the quartz low grade copper, with about 2 inches of high-grade gold ore on the hanging wall, up to 3 ozs. There appears to be about 400 feet of work remaining to reach the ore on the lime contact. Another tunnel, the north fork, is horizontal, in about 90°, but would undoubtedly be the closer to the contact on account of the dip of the latter.

The base metal ore in the tunnel, containing also some lead, sampled as high as 5%, is milling ore only, and on account of the extreme difficulty of access, could hardly be handled under present conditions. It seems to be a question of driving to the contact to pick up what appears to be good copper lead ore.

There is ample water available for camp and mining purposes at Swallow Springs at 6400' elevation on the trail.

George A. Ballam

LEAD CLAIM #1

Au, Pb

Cochise

2 - 5

T 24 S. R 19 E

J. L. McWilliams, Lowell

RALPH L. MOTZ
Engineer & Assayer
P. O. Box 919
Bisbee, Arizona

REPORT ON

JOSEPHINE MINE

Huachuca Mountains - Cochise County

Arizona

LOCATION: The Lead Claim No. 1 (Josephine Mine) is situated in the Hartford Mining District, in the east branch of the south fork of Ash Canyon, in the Huachuca Mountains, Cochise County, Arizona.

The Huachuca Mountains are a prominent mountain range in the western part of Cochise County and form the west side of the San Pedro Valley, through which flows the San Pedro River, the only stream of any size in the extreme southern part of Arizona. The southern end of these mountains extend into the State of Sonora, Mexico.

The property lies at an altitude above sea-level of approximately 7000 feet. The sides of the mountains are very steep and are covered with a good growth of oak and pine, from which mining timbers can be obtained.

In ordinary years there is a good fall of snow which lasts just long enough to melt and soak into the ground, supplying numerous springs with an abundant supply of good water. The past several years have been exceedingly dry and the flow of the springs has been scant. This year, however, the rainfall has been greater than normal and the flow is getting back to normal. The snow does not last long enough nor is it of sufficient depth to interfere with mining operations. So that, in these mountains mining operations can be carried on the year around without any discomfort.

Cochise County, which contains an area almost as large as the State of Massachusetts, has within its borders a number of mountain ranges, some of them rising to an altitude of nearly 10,000 feet. Ore in commercial quantities has been found in nearly all of these ranges: At Johnson Camp, in the Little Dragoons; in the Galluros; in the Winchesters; at Courtland, Gleason, Middlemarch, Muheim and Silver Cloud, in the Big Dragoons; at Mascot and Dos Cabezas in the north end of the Chiricahuas; at Hill Top and Paradise in the main Chiricahuas; at Bisbee, in the Mule Mountains; at Tombstone; Pearce; in the Swissholms; and at a number of places in the Huachucas.

To the south of the Huachuca Mountains lies the Mining District of Cananea in the State of Sonora, Mexico. To the west are the mining Districts around Mowry, Duquesne and Patagonia. To the east are the mining districts of Tombstone, Courtland and Bisbee.

PROPERTY: The property under consideration consists of eleven mining claims of 20.661 acres each, owned by Josephine Johnson, Charles Morgan and John L. McWilliams, Sr.

ACCESSIBILITY: A good automobile road runs from Bisbee through Stark to within four miles of the property. This is the main highway from Bisbee to Fort Huachuca and is paved with a high type of pavement. From the end of the paved road, there is a three mile stretch of fair road over which automobiles are now running. This road ends at what is known as the Ben Morgan Camp. From here it is about one mile by trail to the property, and a road could be built all the way for a reasonable cost.

Don Luis, a station on the Southern Pacific Railroad, is situated about 22 miles east of the property on a paved road. Hereford, another station on the same railroad, is also about 15 miles away and is connected with the Stark highway by a good automobile road. Both the Don Luis and Hereford highways cross the San Pedro River on good steel bridges.

Hereford, is the main shipping and supply point for most of the properties in the Huachuca Mountains and has a general store, post office and side tracks for loading.

At Hereford, or Don Luis, the ore or concentrates can be loaded into cars and shipped direct to the smelters at Douglas, Arizona or El Paso, Texas. At Douglas is the copper smelter of the Phelps Dodge Corporation, Copper Queen Branch. This smelter accepts custom or outside ores. Here, they pay for the gold, silver and copper content of the ore. At El Paso is the smelter of the American Smelting and Refining Company. This being a combination smelter, they pay for the gold, silver, copper and lead contents.

Bisbee, the main mining camp of the Southwest, with its large stores, hotels and garages, lies about 15 miles from Stark and 18 miles from Hereford, in an easterly direction, and is the County seat of Cochise County.

HISTORY: The mineral showings of the Huachuca Mountains have been known to prospectors since 1880. A large amount of work has been done throughout the mountains, chiefly in surface work of no great depth. Generally, enough work has been done to satisfy the annual assessment work law, or to patent the claims. After patenting the claims, the properties have then laid idle.

To the north of this property are the Lutz and Black Bear properties where a large amount of work was done, enough to show that the properties were worth holding and then the claims were patented. To the west lies the New York Group, where the same procedure took place.

Considerable gold has been taken out of the placers of Ash Canyon, in the vicinity of Ben Morgan's Camp and on the placer claims belonging to Charles Morgan. One nugget weighed several pounds. These placers lie just below these claims in elevation and the gold has probably been derived from the main vein on this and adjacent properties.

Quite a little copper ore has been shipped at one time or another, generally in small lots, from the Huachuca Mountains. During the war a large amount of tungsten in the form of scheelite ore or concentrates was shipped.

At the north end of the mountains a nice property was opened up with a 200 foot shaft. A mill was erected and a considerable amount of lead-silver concentrates was shipped to the smelter at El Paso. This property had to shut down due to litigation over water supply.

On the west slope of these mountains, not far in distance from this property, several lead-silver properties in Cave Creek have been opened up and some lead-silver concentrates have been shipped.

GEOLOGY: The main geological formation on these claims and the adjoining claims is granite with intrusions of rhyolite and cut with numerous veins of quartz. Most of these quartz veins are small with the exception of the main vein.

On the west side of the claims is a contact between the granite, rhyolite and limestone.

There is also a siliceous garnetized vein carrying copper minerals.

VEIN OUTCROP: The main vein is of quartz in the granite and can be traced for several miles. On the north this vein can be traced through the property of Sam Miller, known as the Golden Fleece. There were several good sized orebodies opened up, but due to the drop in the price of lead these were abandoned for a time.

The main vein can be traced through the entire length of the Lead No. 1 Claim. The vein itself will average about 6 feet in width. It lies almost flat with a dip of about 5° to the southwest. The contact on the west side of the claim dips about 45° to the southwest.

The main workings are at the center of the claim. This consists of a tunnel 100 feet in length driven on the dip of the vein. At 30 feet in the tunnel a crosscut has been driven along the strike to the south for 200 feet. The vein averages 6 ft. in width with about 3 feet of good grade lead-gold ore. Then on the hanging wall is a streak of iron oxide, 1 to 2 inches in width in which can be seen free gold. There are small kidneys of real high grade ore. There is a considerable tonnage of ore on the dump. Here is shown some iron sulphide ore carrying very little lead. An average sample of the vein, taken some time ago by Charles Morgan, ran gold 1.54 oz. \$53.90; silver 2.7 oz. \$1.92 and lead 43.8% \$43.80; a total value per ton of \$99.62.

Samples taken by me showed the following values per ton:

No. 1 Quartz vein material with no lead and a small amount of iron oxide and iron sulphides - gold 0.32 oz. \$11.20; silver 1.4 oz. \$1.00; lead - none; total value \$12.20.

Sample No. 2 is of a 2 inch streak of iron oxide ore in the roof frozen on to the hanging wall - gold 3.17 oz. \$110.95; silver 2.5 oz. \$1.79 and lead 2.8% \$2.80; total value of \$115.44.

Sample No. 3 is of the pyrite showing in the dump - 1.18 oz. gold \$41.30; silver 3.8 oz. \$2.72; copper 1.7% \$4.08; and lead 5.2% \$5.20 with a total value of \$53.30.

Sample No. 4 is a kidney of high grade galena ore - gold 1.75 oz. \$61.25; silver 5.8 oz. \$4.16; copper 0.9% \$2.16 and lead 62.1% \$62.10 with a total value of \$129.67.

All of these samples showed a good value in gold. Even the so-called barren part of the vein is good milling ore.

ADJACENT SHOWINGS: The same vein of quartz has been opened up on the Golden Fleece property to the northwest, where the iron minerals predominate. Then considerable work has been done on the contact of the granite and limestone and a good grade of copper ore opened up.

Considerable work has also been done on this contact in the New York Group from which some copper ore was shipped.

Within a few hundred feet to the south and down the slope, Charles Morgan is taking out a considerable amount of gold from his placers. These placers have been worked for many years, providing a living for a number of people.

There is also considerable amount of fine gold in the alluvial fan at the mouth of Ash Canyon, showing that at some time there was a source of gold that was immense.

It is my firm belief that this gold was derived from the quartz vein that is on this claim and the adjoining properties. Some of the placer gold is very coarse and with sharp points showing that it has not travelled very far.

RECOMMENDATIONS: The main vein is a very strong vein and can be traced on the surface for a considerable distance. At all places where opened up the sampling shows fair mineral values. At the only place where any real amount of work has been done, on the Lead Claim No. 1, a small amount of high grade, and a large amount of good grade milling ore has been opened up. The main vein is very flat dipping about 5° to the southwest towards the granite-limestone and rhyolite-limestone contact. Between it and the contact is a garnetized zone that carries copper values.

The main tunnel should be carried on to the contact, where there should be a good body of copper-lead-gold ore. It will be necessary to follow the vein, which means that the ore will have to be hauled up hill. If this should be the case, a new tunnel could be started down the hill a few feet to get to the bottom of the vein and the ore then would come out through this tunnel with no up-grade.

It has been found that the ore dips to the south along the cross cut. This new tunnel would also do away with hauling the ore up grade out of this crosscut.

From the mouth of the tunnel, the ore could be sent down to a mill which would be located at Swallow Springs, where the ore could be sorted, the high grade shipped direct to the smelter and the lower grade treated in a small mill.

For the present, the work should be done on the vein and the high grade sorted out and shipped to the smelter to provide an income.

To drive this tunnel a gasoline driven portable air compressor together with drilling machines and tools should be bought. Hand drilling is costly and exceedingly slow. It will be necessary to buy a drill-sharpener, rails and mine cars, together with the usual mining equipment. When the vein has been explored and the necessary tonnage developed, a small mill should be installed at the Swallow Springs, where there is a fair amount of water now, which could be developed into a stronger flow. The ore could be sent down from the tunnel to the mill with a gravity tram, or a gravity railway.

A road can be built with little cost from Ben Morgan's Camp to the millsite and then to the tunnel.

MAPS: Herewith are appended three maps. Map No. 1 is an index map of Arizona, showing the location of the property with reference to the rest of Arizona.

Map No. 2 shows Lead Claim No. 1 and the surrounding claims. The position of the contact and the vein is shown.

Map No. 2 shows the Lead Claim No. 1 in more detail, with the extent of the tunnel.

Respectfully submitted,

(Signed) RALPH L. MOTZ
Registered Mining Engineer
State of Arizona

RALPH L. MOTZ, Engineer and Assayer, Bisbee, Arizona, March 27, 1941.

CERTIFICATE OF ASSAY

John L. McWilliams, Jr.

Samples Submitted to us for Assay Contain:

Mark of Sample	GOLD		SILVER		COPPER		LEAD		ZINC	Total Value
	Oz. Per Ton	Per Value	Oz. Per Ton	Per Value	Per Cent	Value Per ton	Per Cent	Value Per Ton	Per Cent	
#1	0.20	\$7.00	1.1	\$0.78	0.9	\$2.16	0.6	\$0.66		\$10.60
#2	1.13	39.55	1.9	1.35	0.5	1.20	3.7	4.07	9.8	46.17
#3	0.78	27.30	0.4	0.28			4.2	4.62		32.20
#4	0.11	3.85	3.9	2.77	1.7	4.08	42.3	46.53		57.23
#5	1.02	35.70	1.9	1.35	0.8	1.92	5.3	5.83		44.80
#6	0.66	23.10	0.3	0.21						23.31
#7	0.01	0.35	0.5	0.36	None					0.71
Gold		\$35.00		Per Oz.						
Silver		\$71.11¢		" "	Charges					
Copper		.12¢		Per Lb.						
Lead		5.5¢		" "	\$12.50					

RALPH L. MOTZ,
By (Signed) Ralph L. Motz.

Douglas, Arizona, 6-21-41

Mr. J. L. McWilliams

In account with HAWLEY & HAWLEY, Douglas, Arizona

#2-Lead Ore

Net Smelter value at El Paso Smelter

PAYMENTS PER TON

Gold - - - - - 0.02 ozs. No Pay

Silver - - - - - 6.0 ozs. - 0.5 5.5 @ 70.62¢-1.5¢

Lead - - - - - 50.9%-1.5% 90% @ 5.85¢-1.56¢

\$ 3.80

38.15

\$41.95

DEDUCTIONS PER TON

Treatment, Maximum

6.00

Insoluble - - 29.1% 40.0% free

Sulphur - - - 10.1%-2.0% 8/1020¢

1.62

Zinc - - - - 5.2%-5.0% 0.2030¢

.06

7.68

Smelter Value per ton - - - - - \$34.27

Freight, Bisbee-El Paso - - - - - 2.90

Net Value f. o. b. Bisbee - - - - - \$31.37

Douglas, Arizona, 6-21-41

Mr. J. L. McWilliams

In account with HAWLEY & HAWLEY, Douglas, Arizona

#3-Gold Ore

Net Smelter Value at El Paso Smelter

PAYMENTS PER TON

Gold - - - - - 2.28 ozs. @ \$32.32

\$73.69

Silver - - - - - 1.1 ozs- 0.5 0.6 @ 70.62¢-1.5¢

.41

Copper - - - - - 0.21%

74.10

DEDUCTIONS PER TON

Treatment, Maximum

\$6.00

Copper short of 8.0% 11.67¢-2.5¢

.35

Zinc - - - - - 1.5% 5.0% free

6.35

Smelter value per ton - - - - - \$67.75

Freight, Bisbee-El Paso - - - - - 3.80

Net Value f. o. b. Bisbee - - - - - \$63.95

Y90C

JOHN J. McWILLIAMS, JR.
CERTIFICATE OF ABBAY

Net Smelter Value per ton at El Paso Smelter

\$40.08

1.38

\$41.46

\$6.00

.26

.26

6.26

\$35.20

2.90

\$32.30

79-2000

2.58

30.9

2022

90.73

7. 12. 5

09.2

76-294

01.47

2000

27.56%

08.2

29.208