



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

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

CONSTRAINTS STATEMENT

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

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

QUALITY STATEMENT

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

07/13/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: HOSEY

ALTERNATE NAMES:

AUGUSTA
PRESIDENTIAL
EXPOSED REEF

SANTA CRUZ COUNTY MILS NUMBER: 15A

LOCATION: TOWNSHIP 21 S RANGE 15 E SECTION 7 QUARTER NE
LATITUDE: N 31DEG 37MIN 37SEC LONGITUDE: W 110DEG 50MIN 42SEC
TOPO MAP NAME: MT WRIGHTSON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

LEAD
COPPER
SILVER
ZINC
GOLD

BIBLIOGRAPHY:

KEITH, S.B., 1975, INDEX OF MINING PROP. IN
SANTA CRUZ CO.
USBM FIELD NOTES CU41
AZBM CARD FILE SANTA CRUZ CO.
SCHRADER, F.C., 1915, USGS BULL. 582,
P. 230-231
ADMMR HOSEY FILE

HOSEY

SANTA CRUZ COUNTY

MG WR 5/1/87: Mr. Russ Corn has staked the Mountain View group over the old Hosey mine (file) Santa Cruz County. He suggests this property may have gold potential associated with an identified porphyry copper environment, including tourmalinized breccia pipes.

HOSEY MINE

SANTA CRUZ COUNTY
WRIGHTSON DISTRICT
T21S R15E Sec. 07

USGS Bull. 582 p. 230

Production Possibilities of the Marginal
Copper Mines in Arizona, 1941, p. 99

Arizona Mining Journal, 12/1/22, p. 18

History of Mining in Arizona, ABM p. 318

ABM Bull. 191, p. 89

USGS PP 748, p. 11-12

Mt. Wrightson 7.5 (included in file)

*GENERAL REFERENCES

- REFERENCE 1: F1 < ABGMT-US FILE DATA
- REFERENCE 2: F2 < USBM FILES, HOSEY MINE GROUP
- REFERENCE 3: F3 < ADMR FILE DATA, HOSEY MINE
- REFERENCE 4: F4 < ABGMT CLIPPINGS FILE, HOSEY MINE

m1007 15A

- C30 < SPHALERITE >
- L10 < MINING CO. (1919) A. VALENZUELA, U.R. RAMSDELL, A. ALTAMIRANO AND F. MATRECITA (1936), PRESIDENTIAL MINING CO. >
- K1 < FORMATION RHYOLITIC FLOWS? >
- K2A < GRANITE AND QUARTZ MONZONITE >
- K4 < MAGNETITE; CHLORITE; LIMONITE >
- K5 < INTRUDING TRIASSIC MONZONITE >
- N70 < PARALLEL WITH VEINS AND BY SHEETING WHICH STRIKES NW AND DIPS STEEPLY TO EAST OR STANDS VERTICAL >
- N75 < ALTERED AND SERICITIZED >
- N80 < SULFIDES FORMED BY REPLACEMENT >
- N85 < BRECCIATED, HONEYCOMBED, HEMATITE AND LIMONITE STAINED QUARTZ, RISING 8 FT. ABOVE SURFACE >
- F5 < TENNEY, JAMES B. 1927-29, HISTORY OF MINING IN ARIZONA, ARIZONA BUREAU OF MINES, p. 318 >
- F6 < ROHRBACHER, ROBERT G. 1964 GEOLOGY OF THE TEMPORAL GULCH-MANSFIELD CANYON AREA, SANTA CRUZ COUNTY, ARIZONA; M.S. THESIS, UNIVERSITY OF ARIZONA, p. 65-68 >
- F7 < SCHRADER, F.C. 1915, USGS BULL. 582, p. 230-231 >
- F8 < KEITH, S.B. 1975, ABM BULL. 191, p. 39 >
- F9 < ABGMT FILES, STANTON B. KEITH >
- F10 < DREWES, H. 1971, USGS MAP I-614 (1:48000) >
- F11 < DREWES, H. 1972, USGS PROFESSIONAL PAPER 748, p. 11-12 >

U.S. CRIB-SITE FORM

RECORD IDENTIFICATION

RECORD NUMBER: B10 < > RECORD TYPE: B20 < 25.1.M > DEPOSIT NUMBER: B40 < >
 REPORT DATE: G1 < 8.24.05 > INFORMATION SOURCE: B30 < 1.2 > FILE LINK IDENT: B50 < USBM-0040230226 >
 REPORTER (SUPERVISOR): G2 < CALDER, SUSAN R. > (last, first, middle initial) (last, first, middle initial)
 REPORTER AFFILIATION: G5 < ABGMT > SITE NAME: A10 < HOSEY MINE GROUP >
 SYNONYMS: A11 < AUGUSTA, EXPOSED REEF, PRESIDENTIAL GROUP, PINAL CLAIM >

LOCATION

MINING DISTRICT/AREA: A30 < SALERO DISTRICT >
 COUNTY: A60 < SANTA CRUZ > STATE: A60 < AZ > COUNTRY: A40 < U.S. >
 PHYSIOGRAPHIC PROV: A63 < 1.2 >
 DRAINAGE AREA: A62 < 1.5.0.50.30.1.1. LOWER COLORADO >
 QUADRANGLE NAME: A90 < MT. WRIGHTSON (1.9.58) > LAND STATUS: A64 < 4.1.1. (1.9.79) >
 SECOND QUAD NAME: A92 < MT. WRIGHTSON (1.9.81) > QUADRANGLE SCALE: A100 < 1:25,000 >
 ELEVATION: A107 < 5,600 FT. > SECOND QUAD SCALE: A91 < 1:24,000 >

JTM
 NORTHING: A120 < 34989.00 >
 EASTING: A130 < 5147.00 >
 ZONE NUMBER: A110 < 1.2 >
 ACCURACY: ACCURATE (circle) ESTIMATED: EST
 GEODETIC: LATITUDE: A700 < 31-37-37N > LONGITUDE: A800 < 110-50-42W >

CADASTRAL:
 TOWNSHIP(S): A77 < 0.21S > RANGE(S): A78 < 0.15E >
 SECTION(S): A79 < 07 >
 SECTION FRACTION(S): A76 < NE OF NE >
 MERIDIAN(S): A81 < GILA AND SALT RIVER >

POSITION FROM NEAREST PROMINENT LOCALITY: A82 < 3 MILES NE OF SALERO MTN. >
 LOCATION COMMENTS: A83 < AT HEAD OF NORTHERN HEAD TRIBUTARY OF MANSFIELD GULCH; 1.0 MILE ESE OF ARIZONA-PITTSBURG MINE >

ESSENTIAL INFORMATION: ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED:

COMMODITY INFORMATION

COMMODITIES PRESENT C10 < Pb Ag Au Cu Zn >
 ORE MINERALS C30 < CHALCOPYRITE, PYRITE, TETRAHEDRITE, CHALCOCITE, ARGENTITE, BORNITE >
 COMMODITY SUBTYPES C41 < >
 GEN. ANALYTICAL DATA C43 < ORE VALUES AVERAGED 15% Pb, 9% Cu, 9 OZ./TON Ag, 0.4 OZ./TON Au >
 COM. INFO. COMMENTS C50 < >

SIGNIFICANCE

	PRODUCER	NON-PRODUCER
MAJOR PRODUCTS	MAJOR < Pb Cu Ag Au Zn >	MAIN COMMODITIES PRESENT C11 < >
MINOR PRODUCTS	MINOR < Ag Au >	MINOR COMMODITIES PRESENT C12 < >
POTENTIAL PRODUCTS	POTEN < >	
OCCURRENCES	OCCUR < >	OCCURRENCES OCCUR < >

*PRODUCTION

PRODUCTION YES (circle) PRODUCTION SIZE SMALL MED LARGE (circle one) NON-PRODUCER PRODUCTION YES NO (circle one)

EXPLORATION OR DEVELOPMENT

*STATUS PRODUCER NON-PRODUCER
 STATUS AND ACTIVITY A20 < H > STATUS AND ACTIVITY A20 < L >

DISCOVERER L20 < JOHN LEEK AND ASSOCIATES >
 YEAR OF DISCOVERY L10 < 1905 > NATURE OF DISCOVERY L30 < B > YEAR OF FIRST PRODUCTION L40 < 1901 > YEAR OF LAST PRODUCTION L45 < 1936 >
 PRESENT/LAST OWNER A12 < JOHN A. McDONALD (1941-1960's?) >
 PRESENT/LAST OPERATOR A13 < >
 EXPL./DEV.COMMENTS L110 < PROPERTY COMPRISES 12 UNPATENTED CLAIMS; OWNERS AND OPERATORS INCLUDED WILLIAM KEMP (1909), CALUMET ARIZONA CO. (1909-1915), FERGUSON (1907-1909), McDONALD >

DESCRIPTION OF DEPOSIT

DEPOSIT TYPE(S) C40 < VEIN/SHEAR ZONE REPLACEMENT >
 DEPOSIT FORM/SHAPE M10 < LENSES; IRREGULAR; ORE SHOOTS >
 DEPTH TO TOP M20 < > UNITS M21 < > MAXIMUM LENGTH M40 < 1 > UNITS M41 < MILE >
 DEPTH TO BOTTOM M30 < > UNITS M31 < > MAXIMUM WIDTH M50 < 15 > UNITS M51 < FT. >
 DEPOSIT SIZE M15 < SMALL > M15 < MEDIUM > M15 < LARGE > (circle one) MAXIMUM THICKNESS M60 < > UNITS M61 < >
 STRIKE M70 < NW > DIP M80 < STEEPLY TO SOUTH; 75.5 >
 DIRECTION OF PLUNGE M100 < > PLUNGE M90 < >
 P.DESC.COMMENTS M110 < LENSES OCCUR IN ORE STREAK THAT RANGES FROM FEW INCHES TO 8 FT WIDE >

DESCRIPTION OF WORKINGS

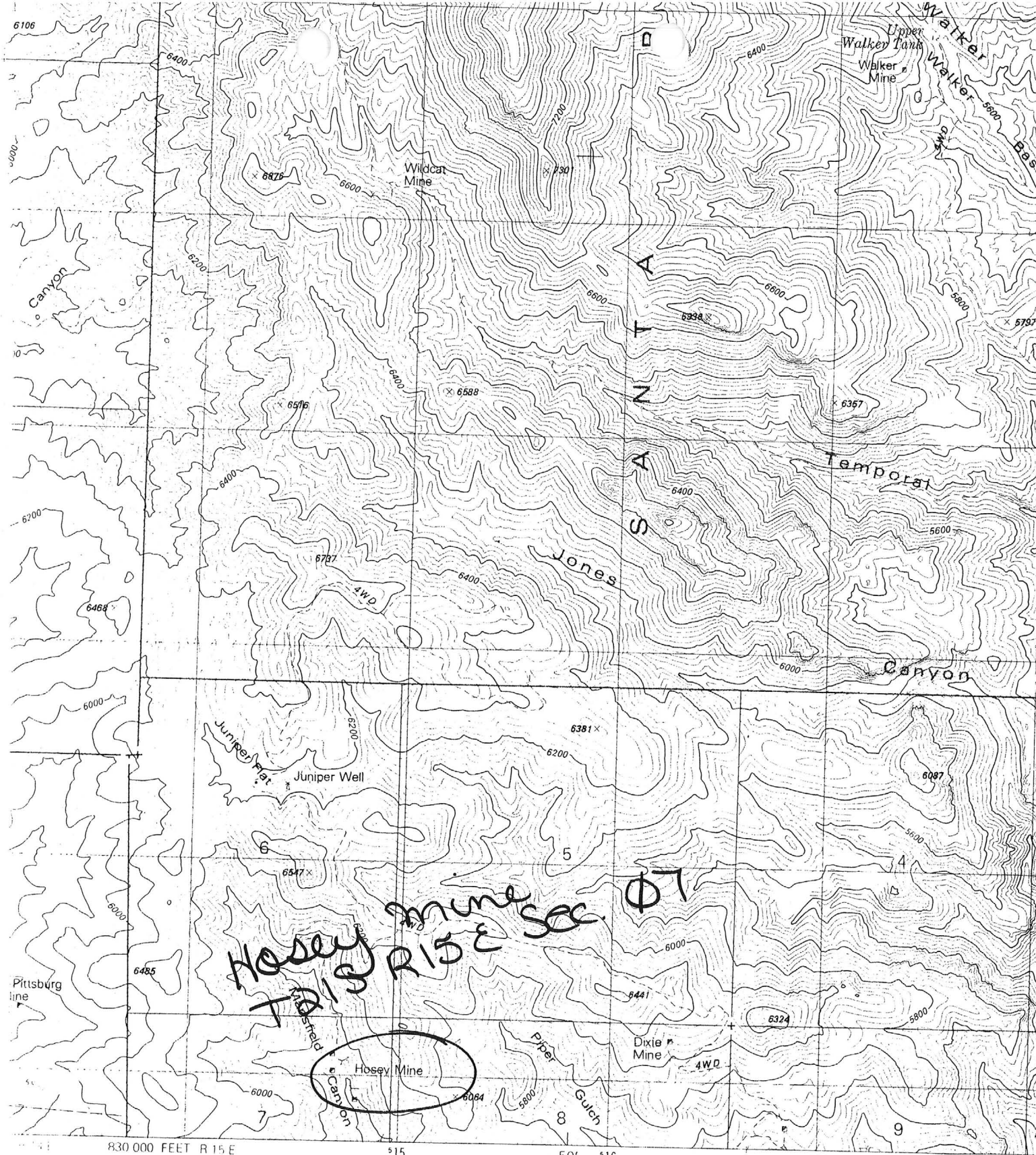
Workings are: SURFACE M120 UNDERGROUND M130 BOTH M140 (circle one)
 DEPTH-BELOW SURFACE M160 < 300 > UNITS M161 < FT > OVERALL LENGTH M190 < > UNITS M191 < >
 LENGTH OF WORKINGS M170 < > UNITS M171 < > OVERALL WIDTH M200 < > UNITS M201 < >
 DESC. OF WORK. COM. M220 < DEVELOPMENTS INCLUDED 300-FT VERTICAL SHAFT; 200-FT SHAFT INCLINED 75 DEGREES WITH ABOUT 300 FT. OF DRIFTS AND CROSSCUTS ON THE 100 AND 200 FT. LEVELS; MAJORITY OF WORK DONE ON SOUTHERNMOST VEIN >
 OVERALL AREA M210 < > UNITS M211 < >

GEOLOGY

*AGE OF HOST ROCK(S) K1 < T.R.I. ASSOCIATED WITH NEARBY INTRUSIONS OF MOUNT WRIGHTSON >
 *HOST ROCK TYPE(S) K1A < RHYOLITE DIKE >
 *AGE OF IGNEOUS ROCK(S) K2 < T.R.I. >
 *IGNEOUS ROCK TYPE(S) K2A < COARSE-GRAINED MONZONITE INTRUDED BY JURASSIC COARSE-GRAINED >
 *AGE OF MINERALIZATION K3 < L.C.R.E.T.? >
 *PERT. MINERALS (NOT ORE) K4 < MASSIVE LIGHT GRAY QUARTZ; MINOR CALCITE AND HEMATITE IN GANGUE >
 *ORE CONTROL/LOCUS K5 < 3 PARALLEL FISSURE VEINS ASSOCIATED WITH FOOTWALL OF A RHYOLITE DIKE >
 *MAJ. REG. TRENDS/STRUCT. N5 < NW-TRENDING BELT 1.5 MILES WIDE, OF HIGH GRADE PYRITE VEINS >
 *TECTONIC SETTING N15 < SALERO FAULT BLOCK >
 *SIGNIFICANT LOCAL STRUCTURE N70 < MONZONITE TRAVERSED BY A SHEETING WHICH DIPS STEEPLY TO SOUTH, ABOUT >
 *SIGNIFICANT ALTERATION N75 < SURFACE OXIDATION TO 50 FT DEPTH; ORE CONTAINED IN RHYOLITE IS HIGHLY >
 *PROCESS OF CONC./ENRICH. N80 < HIGH GRADE PYRITE VEINS FORMED BY EPIGENETIC MESOTHERMAL MINERALIZATION >
 *FORMATION AGE N30 < >
 *FORMATION NAME N30A < >
 *SECOND FM AGE N35 < >
 *SECOND FM NAME N35A < >
 *IGNEOUS UNIT AGE N50 < T.R.I. 184 m.y. BY Pb-a DATING METHOD (DREWES, H., 1971) >
 *IGNEOUS UNIT NAME N50A < PIPER GULCH MONZONITE >
 *SECOND IG. UNIT AGE N55 < JUR. 145 m.y. BY K-AR DATING METHOD (DREWES, H., 1971) >
 *COND IG. UNIT NAME N55A < SQUAW GULCH GRANITE >
 GEOLOGY COMMENTS N85 < CONTINUOUS STREAK OF IRON PYRITES WITHIN VEIN, RANGING FROM 18 INCHES TO 3.5 FT WIDE AND CARRYING COPPER AT DEPTH; VEIN MARKED BY CROPPINGS OF >

GENERAL COMMENTS

GENERAL COMMENTS GEN < >



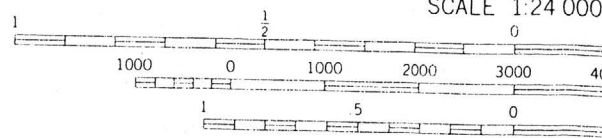
The Geological Survey

76
coordinate
zone 12
1983

mt. wrightson 7.5



UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



SCALE 1:24 000

CONTOUR INTERVAL 40
NATIONAL GEODETIC VERTICAL D.

THIS MAP COMPLIES WITH NATIONAL MAP

June 13, 1941

Mr. John A. McDonald
Estacion Moreno
Sonora, Mexico

Dear Mr. McDonald:

I have the questionnaire that you sent us regarding the Hosey Mine. It would appear that your property would qualify for inclusion in our report of potential copper producers. I would take it from your report that you would have a direct shipping ore that would require no treatment plant, as you have not included that in the capital investment. I do feel sure, however, that you have not included a sufficient amount, as you would have to have tools and machinery in order to extract enough ore to produce 750,000 pounds of copper.

Included within this report we anticipate putting a brief description of the properties which will be listed as potential producers. In order to have these brief reports uniform in their contents we have gotten up another questionnaire showing the points we want to cover, and it will be greatly appreciated if you will fill in one of these questionnaires for the Hosey and return it to us.

Thanking you, and with kindest personal regards, I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Hosey Group (also called Augusta)

Date Oct. 9, 1957

District Wrightson District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Information from John A. McDonald. No visit.

References Schraders Report, Bull. 582, Pages 230 & 231.

Location About 15 miles N. of Patagonia in the Santa Rita Mts. Take road north of Patagonia, known as the Mansfield Mine road, and drive about 11 miles, going past the Mansfield Mine. Walk or ride horseback the remaining 4 miles to the mine.

Number of Claims 2 unpatented claims. Owner originally held 12 claims. Assessment has been kept up on the 2 claims only.

Owner John A. McDonald, Box 812, Patagonia, Ariz.

Principal Minerals Copper and Silver.

Present Mining Activity. None. Mine is idle.

Geology & Mineralization See Schraders Report (Bull. 582) pages 230 & 231.

Ore Values " " " " " " " "

Mr. McDonald reports an average of 9 to 10 % copper & shipments of 6 to 18 %.

Milling and Marketing Facilities None. No road into the property. Can drive within 4 miles of the property. Balance of the way (4 Miles) has to be made by foot or horseback.

Past History and Production See Schraders report (Bull. 582)--pages 230 & 231.

Mr. McDonald reports that the property was last worked in 1920, and that a total of 8,000 tons of ore was shipped from this property. This ore ran from 6 to 18 % copper, with 1 Oz. of Silver to each per cent of copper. Vein 5' wide.

Old Mine Workings According to Mr. McDonald:

(1) 1 vertical shaft -- 300 ft. deep in barren ground. Shaft is in good shape, but is full of water. Needs dewatering, but very little repair.

(2) 1 incl. shaft (incl. 75 deg) ---- about 200 ft. deep (Schrader says 215') with a few hundred feet of drifts and cross cuts on the 100 & 200 ft. levels. This shaft, with the drifts and cross cuts, ~~xxx~~ is all caved in, and the old stopes and workings where the past ore production came from ~~ix~~ are also caved in and inaccessible.

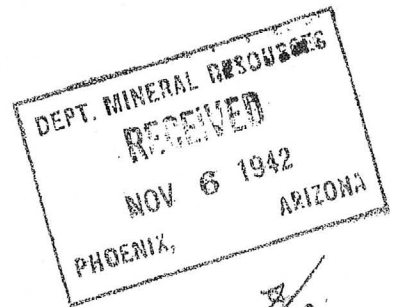
Proposed Plans Mr. McDonald claims there is good ore below the old workings, which extended down only 200 ft. He states that the collar of the 300 ft. vertical shaft is 50 ft. lower than the collar of the caved in inclined shaft. Consequently, a drift from the bottom of the 300 ft. vertical shaft would be about 150 ft. below the old workings, allowing for the stoping of 150 ft. of the vein, and hoisting same up the vertical shaft. Mr. McDonald estimates that from 100 ft. to 150 ft. of drifting would be required to get under the old workings.

Mr. McDonald would like to lease out the property to some party, who is in a position to do this work. He will give a lease, providing for 10 % royalty on net smelter returns, with the option to buy. A time limit would be specified in the lease.

Hosey

JOHN A. McDONALD
Moreno, Sonora, Mexico.

October 30, 1942.



Mr. Earl F. Hastings,
Assistant Director and Projects Engineer,
Department Of Mineral Resources,
States of Arizona,
413 Home Builders Bldg.,
Phoenix, Arizona.

Dear Mr. Hastings:

Replying to your letter of October 26, I am sorry to say that we do not have any maps of the Hosey mine nor any reports left.

At one time we did have a map of the mine and most of the smelter return sheets for the ore that was shipped from there, but these were passed on to different parties for the purpose of interesting them in the property and eventually were lost.

Although I doubt if what information I could give you on the ground would suffice to interest anyone, still I will write you what I know about it and would be willing to give almost any kind of reasonable terms to anyone who would be willing to investigate it.

To begin with, there are twelve (12) claims about 12 miles north of Patagonia in the Santa Rita Mountains, which form the Hosey group, and my mother and myself own the property. There was a fairly good road to the mine and this road is open yet to within about 4 miles from there, which latter part is badly washed out.

The old workings from which most all of the ore, amounting to about 8,000 tons running from about 6% to 17.5% copper and carrying from 8 to 25 ounces in silver varying with the amount of copper, consist of an incline shaft on the main vein which reached a depth of 260 feet and about 750 or 800 feet of drifting along the vein on the 100 and 200 foot levels; there was also some stoping done above the 100 foot level as well as some done between these two levels. These workings are all caved in now, however, and I doubt if it would be worth while opening them up again.

The formation around the mine has been termed Rhyolite and the vein appears to be a true fissure vein and can be traced along the surface for perhaps a mile, or maybe more.

The ore that we shipped from there occurred in lenses and was not regular nor continuous, but these lenses occurred in streaks

of from a few inches wide to as high as 8 feet wide in places and there was a streak of iron pyrites within the vein that did seem to be continuous and this streak which ran from about 18 inches to 3-1/2 feet wide carried as high as 3% copper in the lower workings and judging from the way the values increased as we went down I have an idea that this streak of pyrites may become commercial ore with a little more depth.

After these old workings caved in we sank a new perpendicular shaft about 300 feet south of the main vein to a depth of 320 feet and started to crosscut to the vein on the 300 foot level. This work was given up before the vein was reached and some years later when I was away, some people from Los Angeles unwatered the mine and continued the crosscut and I have reasons to believe that they cut through the main vein and went on to another small vein that occurs about 100 feet north of the main vein and did some drifting on this latter stringer.

This new shaft lies on the opposite side of the canyon from the old workings and somewhat east of them and where the crosscut hit the vein it would be almost directly beneath this canyon and the vein seems to have been faulted by the canyon and carried no appreciable values there as our workings from the old shaft showed.

This new shaft is full of water, but should be in good condition as it was well timbered, was not operated very long and the rest of the time it has been full of water almost to the collar so I think it would be in good condition yet.

We had some of the water analyzed from the old workings and it contained nearly 1% copper and this, too, helps to make one believe there may be a body of copper ore there if the mine were developed.

Aside from the main vein there are several other vein on the property and up on the higher ground there has been some high grade lead ore found in several places, some of which also carried considerable silver values.

As for the ype of deal we would grant, we would be willing to take \$ 25000.00 for it, under more or less the following terms: say \$5000.00 at the end of a year, \$ 10000.00 more at the end of 18 months and the balance at the end of two years with 10% royalty on smelter returns which can be applied on purchase price.


As for equipment, there are two boilers, two steam hoists and one steam compressor at the mine and these California people left a brand new pump in the mine when they shut down.

Some of the parts have been taken off the machinery and the fuel

(wood) is rather scarce there now, so I have an idea that if anything were done there it would be almost necessary to install some new equipment.

Hoping this information will be of some use to you and thanking you for your inquiry, I am

Yours Very Truly,



John A. McDonald.

JAMcD:lb

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine HOSEY MINE

Date September 23, 1942

District Wrightson, Santa

Engineer George A. Ballam

Subject: Production Possibility Survey

The Hosey, formerly known as the Augusta, also Presidential, consists of 12 patented claims in the Santa Ritas just north of Patagonia. Owned since 1941 by John A. McDonald, Estacion Moreno, Sonora, Mexico. Not operated at present.

Topography is mountainous. Country rock quartz-monzonite cut by rhyolite dykes with which veins are associated. Ore siliceous, carrying considerable pyrite. Values in copper and silver, former mainly as chalcopyrite.

Inclined shaft on main Hosey vein 265' with 750' development. Newer vertical shaft 300' south, down 320' with station and some X-cutting, purpose being to cut north to Hosey vein and south to larger vein not developed.

8,000 tons ore reported shipped averaging 18% Cu and varying from 10 to 30 ozs. Ag. On 240' level 9' ore of this grade just as broken. From 1906-28, 960,000 pounds copper produced.

Has been described by Frank C. Schrader, U.S.G.S. Bulletin #582, (1916) pp 230-231.

Some time ago in talking to Walter Sim (Pearce) in Patagonia, the Hosey was mentioned as a property which should be going. This morning he informed me that he had a tentative deal with McDonald to be closed in a day or so. He wants a loan to unwater and will put one of his own men in charge. Has much of equipment available. Deal proposed seems to be satisfactory to both parties, royalty on sliding scale.

(Signed) George A. Ballam

Arizona Department of Mineral Resources, Capitol Building, Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property... Hosey ✓

Location... Patagonia, Arizona ✓

Ownership... John A. McDonald ✓

Name of Manager... John A. McDonald ✓

Post Office address... Estación Moreno, Sonora, Mexico ✓

Copper production (pounds) during each of the past five years:
1936..... Not in production during these years. 1937..... 1938.....
From 1906 to 1928 it produced about 960,000 pounds of copper.
1939..... 1940.....

1941 rate of copper production based upon first four months.....

How much copper could this property produce annually
on a 14 cent price? .750,000 lbs......
on a 16 cent price? 1,000,000 lbs......
on an 18 cent price? 1,500,000 lbs......
on a 20 cent price? 2,000,000 lbs......

What price copper is necessary for this property? 14 cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? It would require a power plant. The cost would be about 20,000.00 dollars.

a 16 cent price could be assured?

18 cent price?

20 cent price?

For what length of time would assurance of price and sale of full production be necessary? 4 years.

How long would it take, after financing has been provided for, before production on the above basis could be reached? 4 months

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? No

If not, do you believe that your company would be amenable and agreeable to government financing? Yes

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement?

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes,

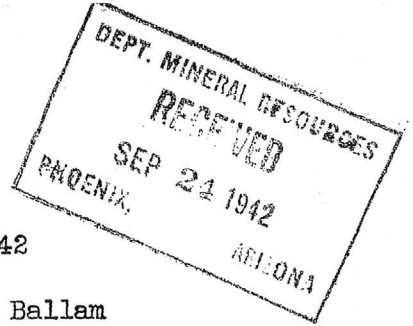
What would be your ideas on financing and carrying out such a plan as is indicated by these questions? If the mine had a power plant and was unwatered we could make a shipping proposition out of it.

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.

Date June 6th, 1941

Signed John A. McDonald
John A. McDonald.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Hosey Mine

Date Sept 23, 1942

District Wrightson, Santa Cruz Co.

Engineer George A. Ballam

Subject: Production Possibility Survey

The Hosey, formerly known as the Augusta, also Presidential, consists of 12 patented claims in the Santa Ritas just north of Patagonia. Owned since 1947 by John A. McDonald, Estacion Moreno, Sonora, Mex. Not operated at present.

Topography is mountainous. Country rock quartz-monzonite cut by rhyolite dykes with which veins are associated. Ore siliceous, carrying considerable pyrite. Values in copper and silver, former mainly as chalcopyrite.

Inclined shaft on main Hosey vein 265' with 750' development. Newer vertical shaft 300' south, down 320' with station and some X-cutting, purpose being to cut north to Hosey vein and south to larger vein not developed.

8000 tons ore reported shipped averaging 18% Cu and varying from 10 to 30 ozs. Ag. On 240' level 9' ore of this grade just as broken. From 1906-28, 960,000 copper produced.

Has been described by Frank C. Schrader, U.S.G.S. Bulletin #582, (1916) pp 230-231.

Some time ago in talking to Walter Sim (Pearce) in Patagonia, the Hosey was mentioned as a property which should be going. This AM he informed me that he had a tentative deal with McDonald to be closed in a day or so. He wants a loan to unwater and will put one of his own men in charge. Has much of equipment available. Deal proposed seems to be satisfactory to both parties, royalty on sliding scale.

George A. Ballam