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11/20/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SUNDAD

ALTERNATE NAMES:
MARICOPA CHIEF

MARICOPA COUNTY MILS NUMBER: 468

LOCATION: TOWNSHIP 3 S RANGE 9 W SECTION 7 QUARTER SW
LATITUDE: N 33DEG 10MIN 55SEC LONGITUDE: W 113DEG 13MIN 55SEC
TOPO MAP NAME: DENDORA VALLEY - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:
GOLD LODE
COPPER
SILVER

BIBLIOGRAPHY:
ADMMR SUNDAD MINE FILE
ADMMR "U" FILE - *aw 22*



AGUILA VALLEY

Wickenburg Mts
Buchhorn Mts

VALLEY

Gladden

VULTURE MOUNTAINS

Black Butte

Vulture Pk
3658'

Wickenburg

Allah

Morristown

Wittmann
1679'

2-95

HASSAYAMPA PLAIN

WEST

PARALLEL

NORTH

HARQUAHALA

2-100

2-100

Belmont Mts
3137'

Big Horn Peak
2993'

Burns Mtn
2317'

TONOPAH DESERT

Tonopah

Saddle Mtn
2135'

Palo Verde Hills
2172'

Wintorsburg

MERIDIAN

GUIDE

WHITE SPK Mtn
3185'

CO REG PARK

3074'

McMicken

2-128

SALT RIVER

PLAIN

M A R VALLEY

BUCKEYE

Cemetery Ridge

2-129

Columbus Peak

Cortez Pk
2523'

Gillespie

SOUTHERN

Arlington

Hassayampa

Buckeye

Allenville

Hills
17825'

BUCKEYE CO REG PARK

Liberty

Rainbow Valley

509 • Turtleback Mtn

Sundad

2-136

Face Mtn

Signal Mtn
2180'

2-138

3176'

Woolsey Peak

2-142/144

Bunyan

2778'

Dendora Valley

Cotton Center

2-157

2069'

2-164

2811'

509 • Turtleback Mtn

Montezuma

Oatman Mtn

Painted Rock Mts

Gila Bend

SOUTHERN

Bosque

PARALLEL

SOUTH

Theba

Smurr

Park valley

Stanwix Flats

Sentinal

SENTINEL PLATEAU

WEST

GUIDE

MER

Piedra

Theba

Smurr

Stanwix

2099'

2478'

Big Horn

^S
DUNDAD CLAIMS

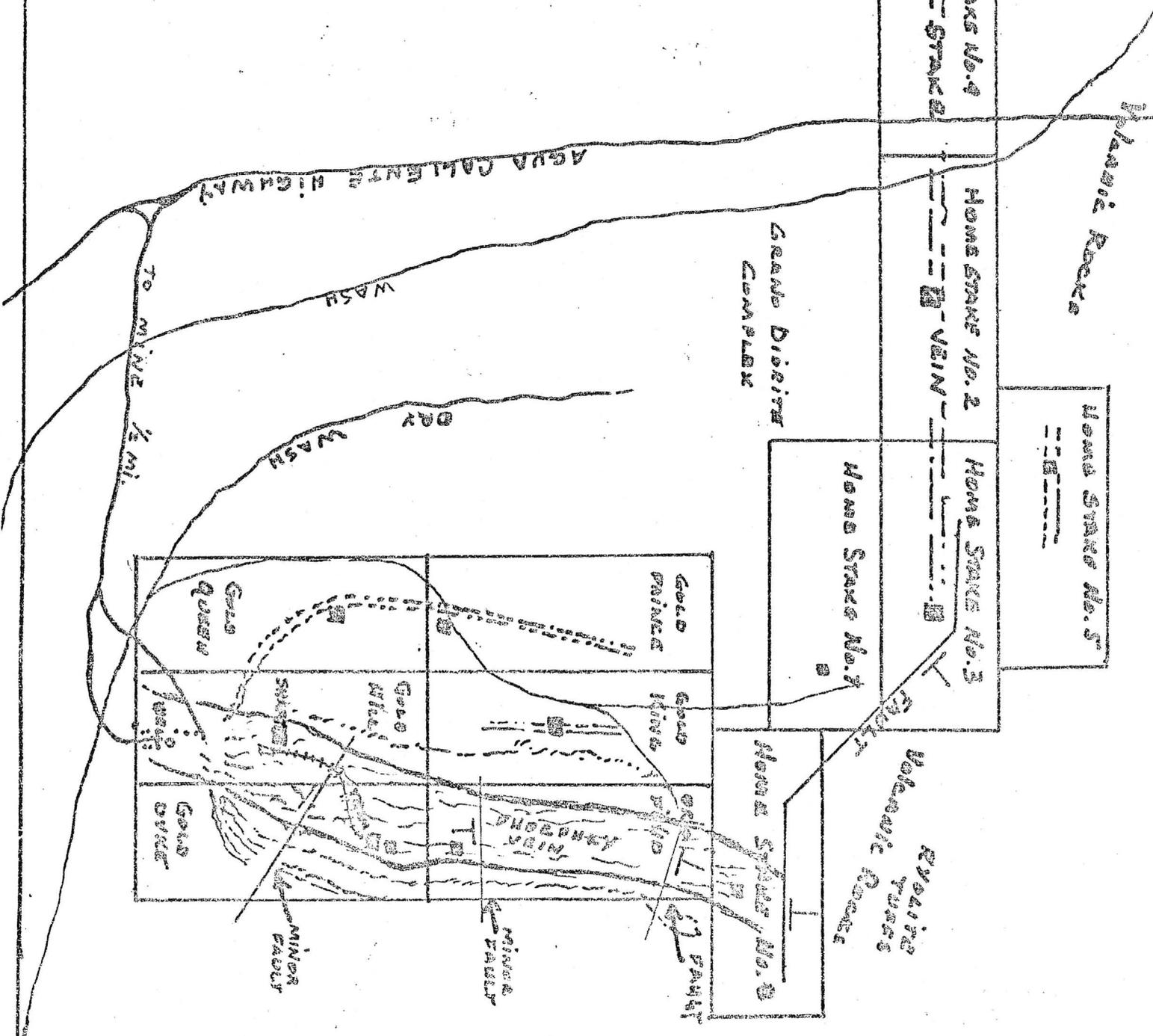
MARICOPA COUNTY
BIG HORN DISTRICT

Owned by Mr. Agin, 1301 E. Edgmont, Phoenix, 85006 Phone 277-7920
Ore said to run 4% copper FTJ WR 6/30/67 - address as of 1970.

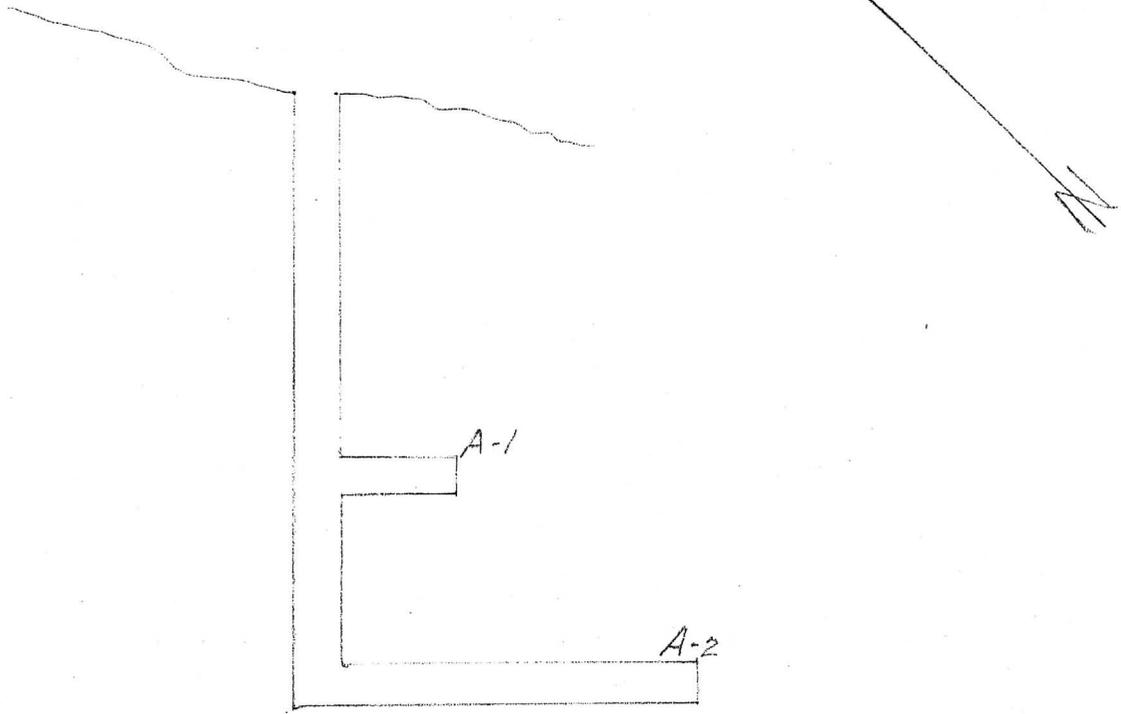
10.6

SURFACE PLAN OF
 PATENTED MINING CLAIMS
 SUNDAD
 BIG HORN MINING DIST.
 RICOPIA CO. ARIZONA
 JR. McDONALD
 REG. GEOG. ENGINEER
 STATE OF ARIZONA

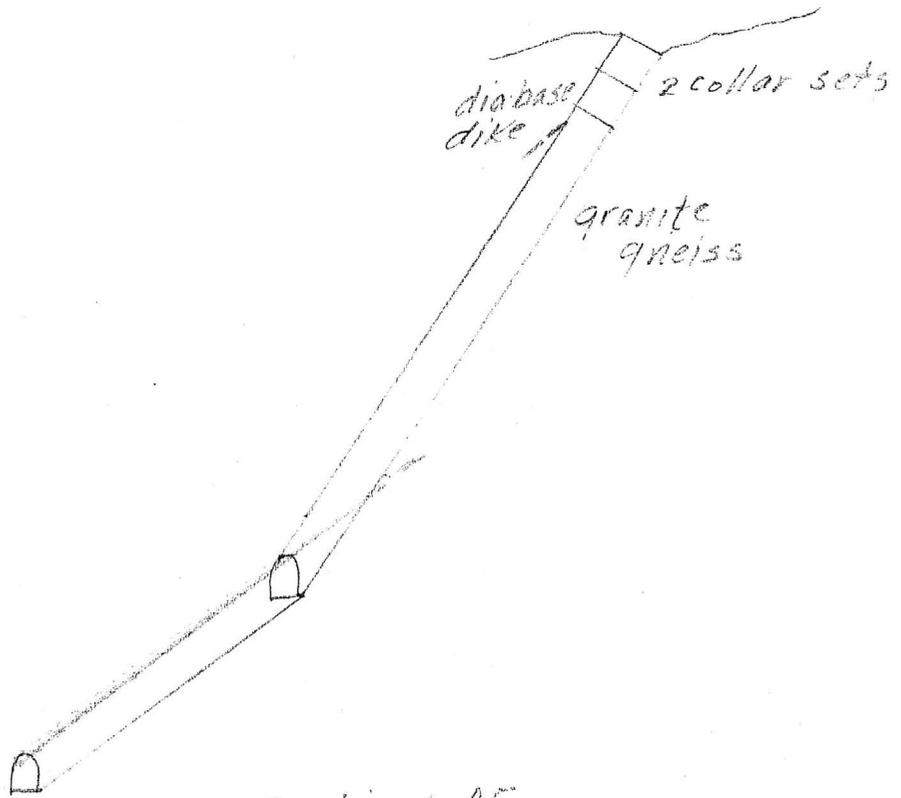
SCALE
 1-INCH = 750' ±



Sundat Mine



Plan



Section NE.

1" = 20 ft.
4-23-74.
JW.

MINE AND PROSPECT FIELD DATA SUMMARY

Sheet 1 of 2

COMMODITIES Gold

MILS ID No. **Date:** April 8, 1983

ENGINEER Ken A. Phillips

INFORMATION FROM: Field visit in company of Jim Weatherby

PROPERTY SUMMARY

I. MINE NAME Sundad **OTHER POSSIBLE NAME**
INCLUDING ANY CLAIM NAMES NOTED

II. LOCATION: T 3 S R 9 W SEC(S) SW $\frac{1}{4}$ 12 **MINE DISTRICT**

ELEV. 1000 **COUNTY** Maricopa **TOPO QUAD.** Dendora Valley

DIRECTIONS North from Sentinel Approximately 30 miles via the Agua Caliente Road. See copy of topographic map.

MAP ATTACHED

III. OWNERSHIP: **NAME** **PHONE**

ADDRESS:

COMPANY NAME IF ANY:

PERTINENT PEOPLE

IV. PROPERTY AND HOLDINGS:

V. PAST PRODUCTION - NOTED, KNOWN, PROBABLE, UNKNOWN, NONE A few tens of tons have been milled at what must have been a crude pilot mill on the property.

VI. CURRENT STATUS: The two open shafts have chain link covers, which appear maintained.

VII. WORKINGS: Two inclined shafts on mineralized structure. North shaft approximately 100" deep in good shape (some 2" lagging is broken). South shaft 20" deep, no timber, sluffed collar.

VIII. GEOLOGY AND MINERALOGY: DEPOSIT TYPE:

LENGTH: ± 200 ft **WIDTH:** **VEIN STRIKE** N 40 E, Dip NW

HOST ROCK: Granite gneiss

ECONOMIC MINERALS: Rare copper oxide, few narrow 1" - 2" stringers of iron oxide which might contain precious metals, rare quartz.

COMMENTS: Suspect property was gold prospect.

IX. EQUIPMENT ON SIGHT: None

X. SAMPLING: NOTE TYPE IF ANY, DRILLING:

XI. REFERENCES AND REMARKS See Arizona Department of Resources Sundad file.

Note: Only a small portion of the property was visited.

SUNDAD MINE

MARICOPA COUNTY
WEBB DISTRICT

Mr. Agin was in about his Sundad claims in western Maricopa County. He discussed an engineering report and assays from the property. He wants someone to look at his rproperty. Suggested he contact Glen Walker. Agin also owns a group of claims known as the Homestake and the Nancy Lee, both in western Maricopa County. KAP WR 4-3-74

Ralph Agin, Phoenix, called to report the two samples taken from his Sundad Cu-Au ran .04 oz/T, Au, .28 oz/T Ag, which of course, compares very unfavorably with our file report (up to 4 oz./T Au). GW WR 5-7-74

WR GW 9-27-77 - Ed Larson, Phoenix, came in to get the reports on the Sundad mine which he left here a week or so ago. He said he will go sample it this week and determine if he will lease it. He is also considering a look at the Gold Cliff Tungsten property north of Cave Creek, owned by Russell Talbot. 10-5-77 bh

^{of Wood + McCandles}
NJN WR 11/19/82: Mr. John McKindles, an attorney in Phoenix (964-9302) called requesting information on the Nancy Lee #1-8, HOMestake #1-7, Oro Fino, Gold Dyke, Gold Hill, Gold Queen, Gold Prince and Gold King. These claims cover the Sundad Mine, Maricopa County located in T3S R9W Section 7. Mr. McKindles was representing a Texas firm interested in leasing the property from the Maricopa Chief Gold Mine Corporation which owns the unpatented claim group. The corporation is owned by a Mrs J. R. McDonald, P.O. Box 543, Midland, Texas and Mrs. Izetta McDonald of Midland.

KAP WR 4/8/83: In the company of Jim Weatherby a number of mines were visited. They were: the Rowley Mine, Rowley East, Sundad, an unnamed prospect and the Dixie, all in the Webb District.

NJN WR 4/29/83: Jack Pierce visited and reported that Mrs. J. R. McDonald, owner of Maricopa Chief Gold Mine Corporation, P.O. Box 543, Midland, Texas, has leased the claims comprising the Sundad Mine, Maricopa County, to Jerimiah Ventures. Jerimiah Ventures is a religious group based in Dallas (phone (915) 652-8524). Principals of the group are W. E. Graham and a Reverend Cain. Mrs. McDonald would like to will the property to the group. Jerimiah Ventures is having Mountain States Engineering evaluate the property. Mr. Pierce left some reports on the property for our files.

SUNDAB MINE

MARICOPA COUNTY
WEBB DISTRICT

Ralph E. Agin, visited office with Mine Owners Report on Sundab Mine (AU, Ag & Cu) NE of Hyder in Maricopa County.

FTJ WR 10/25/68

Mr. Ralph Agin visited office brought in a piece of glauconitic shale with hematite staining for identification. He thought perhaps it had some nickel content, due to the greenish color. He talked considerably about his Sundad property in Maricopa County where he recently got a \$700.00/T assay of copper and silver from a 125 ft. shaft. GW WR 5/22/70

Mr. Ralph Agin Phoenix came in to discuss methods of dewatering his Sundad high grade Au-Cu mine about 30 miles SW of Arlington. He said the 200 foot incline shaft had about 20 feet of water in it. During the discussion it was revealed that practically all the muck from sinking the shaft in the 30's was shipped to the smelter, indicating very high grade ore. Our file states the vein is 2' to 4' wide; it was, therefore, suggested that mining be started above the water table thereby getting some financial return before dewatering. He expects to visit the mine this Sunday at which time I, too, may go out there. GW WR 3-27-74

Ralph Agin, Phoenix owner of Sundad Au-Cu mine north of Agua Caliente in T3S, R10W called to report a surface sample result, \$6.00 Au, .05 oz. Ag, 57% Cu. GW WR 4-11-74

Accompanied Messrs. Ralph Agin and Louis de Chellis to their 19 Gold Hill claims which include the old Sundad Au Cu mine in unsurveyed Sec. 7, T3S, R9W in Maricopa County. Here a small 4"-6" vein occurs along a contact between diabase Mike on the hanging wall and a gneissic granite. The contact strikes about N25E and dips 30°-40°W. It can be traced by small pits only a few 10's of feet north but is apparent for some 200 feet south. The granite gneiss is quite extensive and forms low rolling hills. It is also intruded in several places both east and west of the mine by sizeable andesite dikes. The principal mine excavation is a shaft inclined at about 70° to the west which is presently inaccessible. The vein can be seen only a few feet in the shaft due to its flatter dip. Mr. Agin said he was to the bottom of the shaft, about 60 feet in 1970 and said there was a cross-cut to the west from the bottom but he didn't enter it. Messrs. Agin and de Chellis will build ladders making the shaft accessible at which time I will return and map the underground workings as they are desirous of applying for an OME loan. GW WR 4-17-74

Accompanied Messrs. Agin and de Chellis to their Sundad mine 25 miles N. of Sentinel. They had made a 65 foot rope ladder which was used to go to the bottom of the 100 ft. inclined shaft. The shaft bears N45°W and for the first 65 feet it dips 65°, the remainder inclines @ 40°. The vein, 12"-20" thick, is intersected about 15 feet above the flattening of the shaft or about 50 feet below the collar. At 65 feet a drift trends S40W for 12 feet and at the bottom another drift extends S30W for 40 feet, (see map in file). The vein is easily traced in the shaft and averages 14" in thick except in the face of the lower drift where it pinches from 8" at the back to 3" in the floor. Samples were taken in both the drift faces. In the lower drift the vein appears to be in the middle of the diabase dike where as in the shaft it is in the granite gneiss. It appears that the lower drift was driven by hand as the drill holes are smaller than a machine drill. GW WR 4-23-74

EXHIBIT A

*Sandab Mine
(Maricopa Chief Gold Mines Corp)*

5. LOCATION.

Webb

Arizona, Maricopa County, No Name Mining District, Unsurveyed Government land, 16 Miles north, 15 degrees east from Agua Caliente Hot Springs, one-half miles east from a point approximately nine (9) miles north of Camel, on the Agua Caliente highway. Montezuma, on the Southern Pacific Railway, is nearest railroad station, distance approximately nine (9) miles.

6. CLAIMS.

(b)

Home Stake Group.

County Recorder.

Name	Date	Phoenix, Arizona --	Book Mines --	Page
Home stake No. 1	April 16, 1930	"	34	323
" " " 2	" "	"	34	324
" " " 3	" "	"	34	325
" " " 4	Nov. 1, 1930	"	34	632
" " " 5	Oct. 10, 1930	"	34	633
" " " 6	Oct. 10, 1930	"	34	634
" " " 7	Nov. 1, 1930	"	34	635
" " " 8	Nov. 1, 1930	"	34	636

Gold Hill Group.

County Recorder.

Name	Date	Phoenix, Arizona--	Book Mines --	Page
Gold Hill	July 16, 1931	"	37	98
Gold Queen	" 25 "	"	37	96
Gold Dyke	" 25 "	"	37	99
Oro Fino	" 25 "	"	37	100
Gold King	" 25 "	"	37	95
Gold Prince	" 25 "	"	37	97

Phoenix Title and Trust Company say that they make no abstracts of title to unpatented mining claims.

(c)

There is no neighboring productive properties. Rawley Mine located approximately ten miles east, King of Arizona, and North Star, approximately twenty (20) miles west, Sheep Tanks Consolidated, eighteen (18) miles northwest, Harqua Hala, Golden Eagle, and Socorro, approximately seventeen (17) miles a little north of west, Vulture Mine and Tonopah Belmont twenty-five (25) miles northeast, while the Ajo Copper Mines are approximately forty-five (45) miles to the southeast, many undeveloped prospects are located on this mineral belt in a radius of ten miles of the Maricopa Chief property.

7. OPERATION.

(a) Are operations carried on at present time? In a small way.(b) At what per cent of capacity? 5%(c) If loan is made, will operations be increased? Yes.If so, what percent of capacity? 100%.

(d) If operations have not been continuous, give dates of suspension and resumption of operations during past 5 years, and reasons for such suspensions.

Operations have been continuous ever since property was located in 1930 in a small way, when funds were available operations were carried on in a larger scale, such as the finances would allow.

EXHIBIT B.

A. REPORTS.

J. R. McDonald. 1741 West Jefferson St. Phoenix, Arizona.
John C. Alexander, P. O. Box 495, Superior, Arizona
Number of Engineers have made superficial examinations of the property, but who never made any but verbal reports.

B. METALS TO BE PRODUCED.

Gold and Silver.

C. GEOLOGY.

1. No topographical or Geologic maps of this district available, Geology of the Gila Bend Mountains west of the property as seen by Eldred D. Wilson, Arizona Bureau of Mines Bulletin No. 134.

The oldest rocks exposed in the Gila Bend Mountains of Yuma County are schists that outcrop as a strip from one to two miles wide along the northern margin of the range, where seen by the writer, these schists are characterized by strong lamination, steep dip, and variable strike which tends to parallel the principal ridges. Over much of the area, they consist essentially of fine grained quartz, sericite, and chlorite, but, in places, chert banded, gray limestone predominates. Wherever prospect holes penetrate, this schist is seen to be extensively sheared and faulted. From the evidence now available, its age cannot be told, but it is tentatively regarded as pre-cambrian.

Many dykes of andesitic to granitic composition, and a few large masses of granite cut the schists. Most of these dykes are believed to be of Mesozoic and Tertiary ages.

Overlying the schist is cherty graylimestone, with minor gray to buff sandstone, which outcrops near the western end of the range. This limestone, which is particularly marked by round concretions, less than an inch wide, doubtless represents a continuation of like material occurring in the Clanton Hills. "ROSS" regarded the latter as Tertiary, these beds have been faulted and tilted to a minor extent. In places they are cut by andesitic dykes.

Resting upon these sedimentary rocks is a thick series of Tertiary lavas which contain abundant yellowish brown tuffs and andesites and forms the main mass of the range.

2. The economic geology of this property is located on an intrusive mass of granite approximately one mile in width by two miles in length, which has been exposed by erosion. An east and west fault traverses this belt along its northern boundary which divides the intrusive granite from the volcanic sedimentaries, this fault dips to the north and is filled with an iron stained breccia which carries small values in gold, the gold being in a very finely divided state. To the east and to the south, the granite seems to extend under the sediments.

2.(Cont'd)

The granite belt is cut by two series of dykes. The north and south dykes seem to be the younger of the two. The north and south dykes are Andesite and diorite, while the east and west dykes are andesite, diorite, pegmatite and monsonite porphyry.

The intrusive rocks though locally altered, along the shear zones, are not dynamically metamorphosed, and are believed to be much younger than the metamorphosed sediments which sometimes cover them.

The granite is medium grained, and is composed of quartz, feldspar, hornolende and alteration products and a few accessory minerals, some magnetite was noted.

A large, wide dyke of andesite passes through this group from the northeast to the southwest a distance of approximately 3400 feet in length. This dyke dips to the north and west. Parallelling this dyke on the west for its entire length is a vein silicified quartz diorite porphyry from 100 to 300 feet in width. This vein is traversed by three sheared diorite dykes. To the west and adjoining this porphyry dyke, we find a dyke of andesite porphyry of a much fresher appearance than the foot wall andesite. The silicified quartz diorite porphyry vein is cut by many southerly dipping fractures, which extend from the andesite hanging wall to the andesite foot wall. These fractures contain chrysocolla, limonite and calcite which carries finely divided free gold values in commercial quantities. The diorite dykes which traverse this large porphyry vein carries the same values where the diorite is fractured or broken. Two minor faults with less than 20 feet of displacement also cut across this vein.

- (a) Granite, Diorite, Andesite.
- (b) Free milling gold, silver, copper, iron.
- (c) Quartz, Quartz Phorphyry, Calcite, Chlorite and Sericite
- (d) Lode vein. Developed portion shows ore deposit at 100 feet in depth, to be lenticular from one to four feet in width, and approximately 500 feet in length. Shaft has not reached bottom of ore shoot. In this type of vein ore shoots occur where vein zones are intersected by fissures, lamination or bedding.
- (e) Two minor faults with less than 20 feet lateral displacement in its entire length, but a great many horizontal fractures cut the vein along its course all of which carry commercial ore as far as development has proceeded.
- (f) Ore body is continuous.

D. ORE RESERVES.

- 1.(a) Assay map showing assay values of all samples.
- (b) Map showing section along vein showing ore body as far as development has been carried, blocked out and probable ore reserves.
- (c) This mine contains no blocked out ore, (that is, ore blocked on 4 sides.)
- (d) Ore not mined.

(e) On north side of shaft for a distance of 260 feet along the vein on surface where the ore is exposed in cuts and trenches with a distance downwards along the vein to a level with the bottom of shaft, with an average width of two feet, allowing fifteen cubic feet per ton of ore, will give a total tonnage of 4160 tons. (This ore is exposed on the surface and sides of shaft.)

(Block One)

South of the shaft for a distance of 40 feet along the vein on the surface, following the vein downwards to drift at bottom of shaft 90 feet, with an average width of two feet and allowing 15 cubic feet per ton will give a tonnage of 480 tons. (This ore is blocked on three sides, surface, shaft and drift.)

(Block Two)

South of block two for a distance of 210 feet along the vein with a depth downwards along the vein of 90 feet to a level with the present bottom of shaft, and an average width of two feet, allowing 15 cubic feet per ton will give a tonnage of 2520 tons. (This ore is exposed on the surface only.)

(Block Three)

Total tonnage for the three blocks: 7160 tons of probable ore.

Smelter test on 3200 lbs of ore taken from different exposures, surface and underground workings which would be a fair sample of the rich streak, and which was sent to the American Smelting and Refining Company's plant at El Paso, Texas, as per the enclosed settlement sheet, gives a gold value of 0.95 oz. --Silver, 0.5 oz. per ton, the copper contents we do not consider in a free milling gold ore. Assays made by J. K. Forman, Assayer & Chemist, Glendale Avenue & 7th Street, Phoenix, Arizona, on a cyanide milling test averaged: gold 0.25 oz., copper 0.8%. Samples used by Mr. Forman were taken from a composite sample of three tons broken in the regular mine work from the breast of drift at a point 10 feet and 15 feet from bottom of shaft. Sample was broken from a face of 5 feet in width and 6 feet in height, which was the entire width of vein at these points and was a fair sample. The large sample was pyramided and quartered in the usual manner.

Two samples of rich streak taken from the back of drift at the points where the above sample was taken, samples weighing 50 lbs. each, and assayed by Mr. Forman gave the following values:
No. 1 sample--Gold, 4.28 oz., Copper 12.5%
No. 2 sample--Gold, 3.14 oz. No test for copper.

In sinking shaft, a sample of the ore from the surface down to a depth of eight feet, weighing 500 lbs. gave a gold content of \$54.60 per ton. Assay made by J. A. Porterie, Phoenix, Arizona. This was of the rich streak average width 15 inches.

A sample of 500 lbs. taken from the shaft at the 60 foot point across two feet of vein matter gave gold contents 2.40 ozs. This assay was made in Arizona Assay Office, Phoenix, Arizona by John H. Booth, Metallurgist. Sample taken from bottom of shaft.

A sample taken in the shaft at the 75 foot point from a width across the bottom of three feet gave gold content of 0.60 oz.

Maricopa Chief Gold Mines Corp.
1741 West Jefferson St. Phoenix, Ariz.

Page 7.

EXHIBIT B.

D. ORE RESERVES (Cont'd)

A sample taken at the 100 foot point, in the shaft, across the bottom with a width of two feet gave a gold content of 0.94 oz. While a sample of 500 lbs. across the bottom of shaft with a width of $4\frac{1}{2}$ feet gave values: gold, 0.16 oz -- silver, 1.63 oz.

All of the samples were taken for the purpose of determining the values contained in the ore and were not taken for the usual mining operations in large amounts, and reduced by pyramiding and quartering in the usual manner. No channel samples were taken.

E. ASSAYS.

1. Assay certificates submitted are part of this exhibit and attached hereto.

2. All samples herewith submitted were taken by blasting the face, or back, upon a canvas tarp, in large amounts of fifty pounds upwards to three tons, the sample was then brought to surface in large canvas ore sacks, pyramided and quartered to ten pounds which amount was given to assayer. Large samples were taken which included both rich and poor streaks, where samples of 13 inches to two feet in width are mentioned only the rich streak was sampled.

3. No drill hole sampling was done. (NOTE: Hundreds of tests were made on this property by panning the ore after it was pulverized in mortar.)

REPORT
ON THE MINING PROPERTY OF THE

MARICOPA CHIEF GOLD MINES CORPORATION,

No Name Mining District,

MARICOPA COUNTY,

ARIZONA.

J.R.McDonald, M.E.
Reg. Prof. Engineer,
State of Arizona.

1741-West Jefferson St.

Phoenix, Ariz.

September 31, 1932.

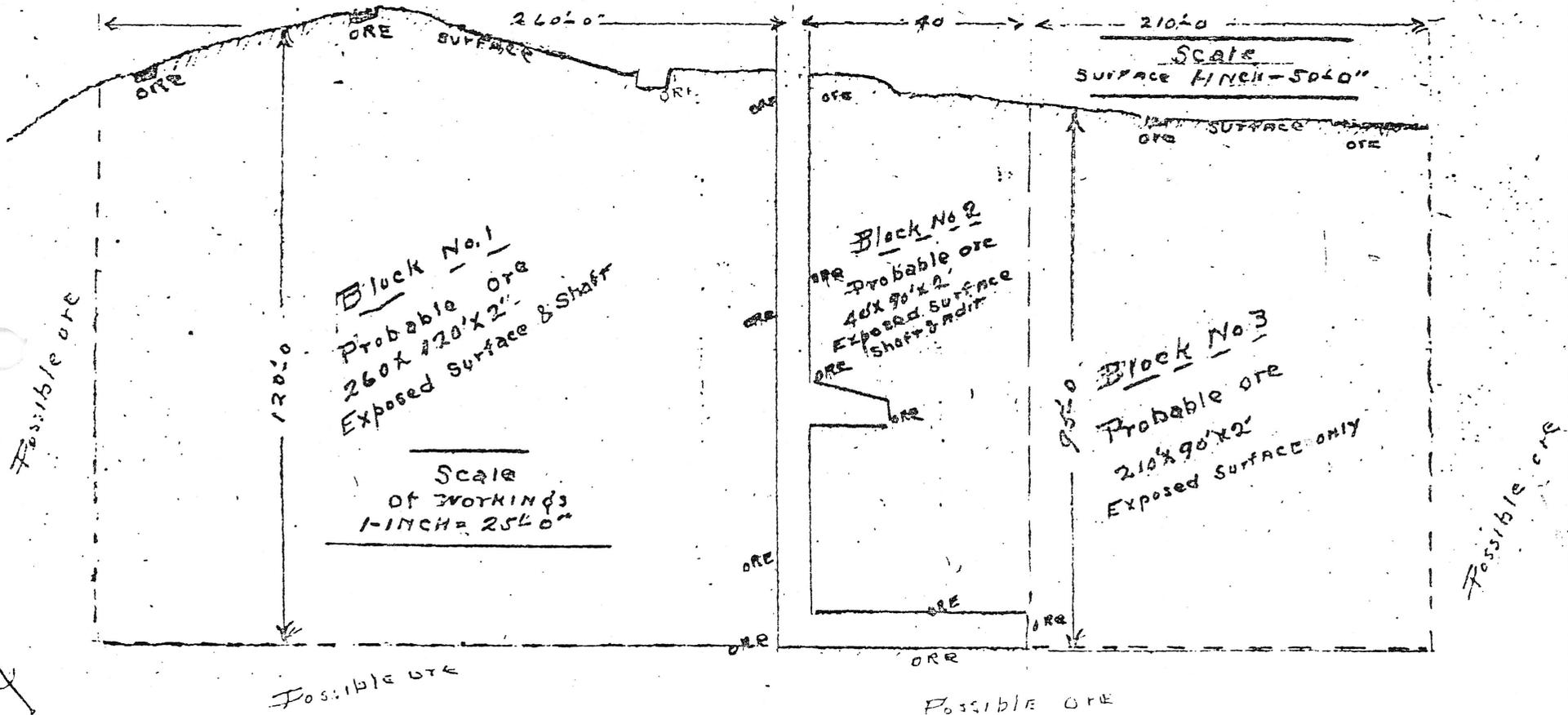
MAP
 SHOWING ORE RESERVES
 Maricopa Chief Gold Mines Corp.
 No. NAME MINTION DIST.
 Maricopa Co. Arizona
 J.R. McDonald

REG. PROF. ENGINEER
 STATE OF ARIZONA

PAGE 7
 EXHIBIT B
 D. ORE RESERVES
 B

Partially Blocked ore			
Block No.	DIMENSIONS	Tons	NET VALUE
1	260x120x2	4160	\$23712.00
2	40x90x2	720	2736.00
3	210x90x2	3780	14310.00
		7160	40812.00

Estimated Net value ore Reserves

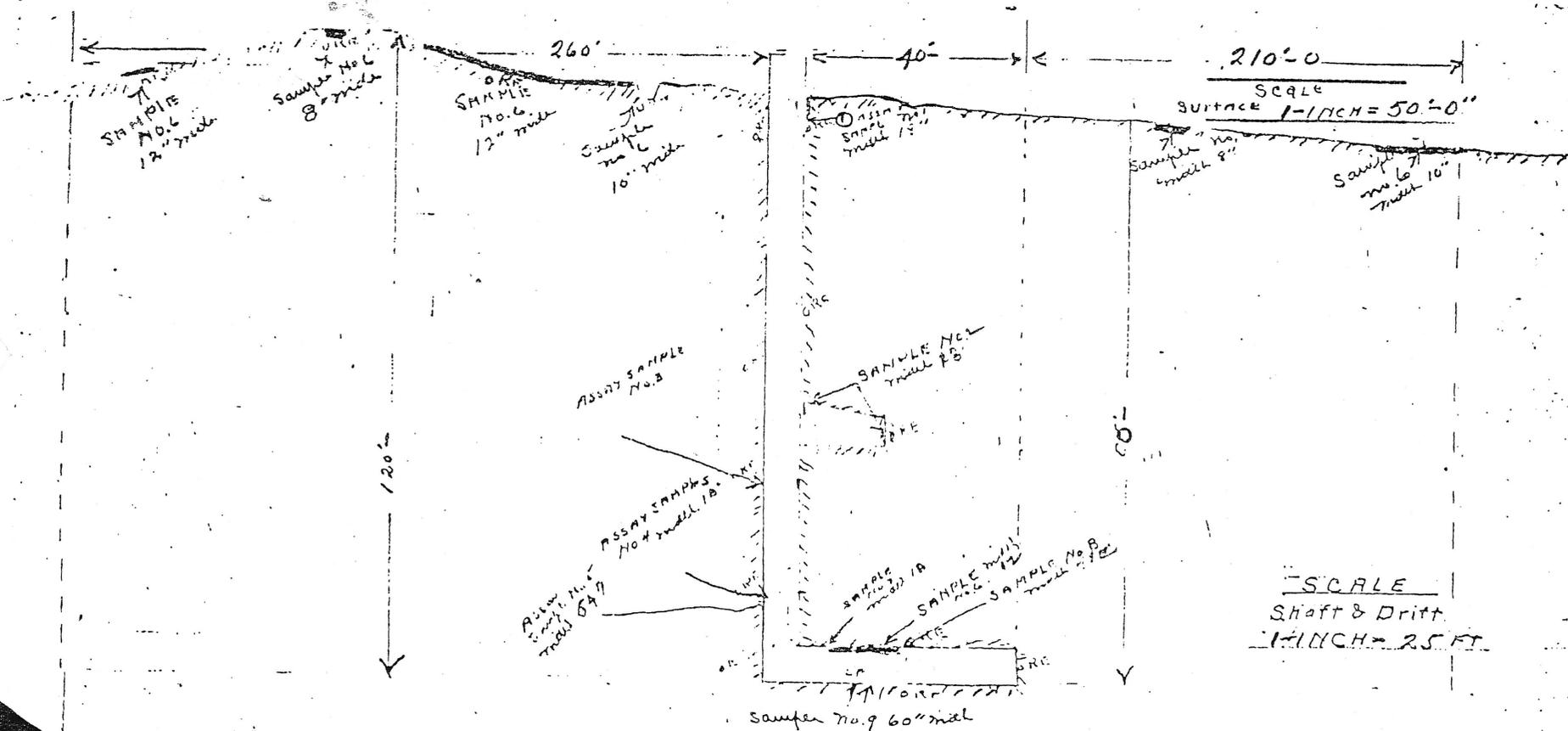


ASSESS MAP
Gold Hill Shaft
 Maricopa Chief Gold Mines Corp
 YUMA MINING DIST.
 MARICOPA Co. ARIZONA
 J. R. DONOHUE
 REG. MINING ENGINEER
 STATE OF ARIZ.

433-7-18

SAMPLE No.	Drift	Shaft	Width	oz Au	oz Ag	Cu %	Value
1			18"	2.73			95.55
2			18"	2.40			84.00
3			36"	0.60			21.00
4			18"	0.94			32.90
5			54"	0.16	1.28		6.68
6	SURFACE		12"	0.95	.5	4.45	38.30
7	Drift		12"	4.28		12.05	161.00
8			12"	3.15			100.00
9			60"			0.8	8.75

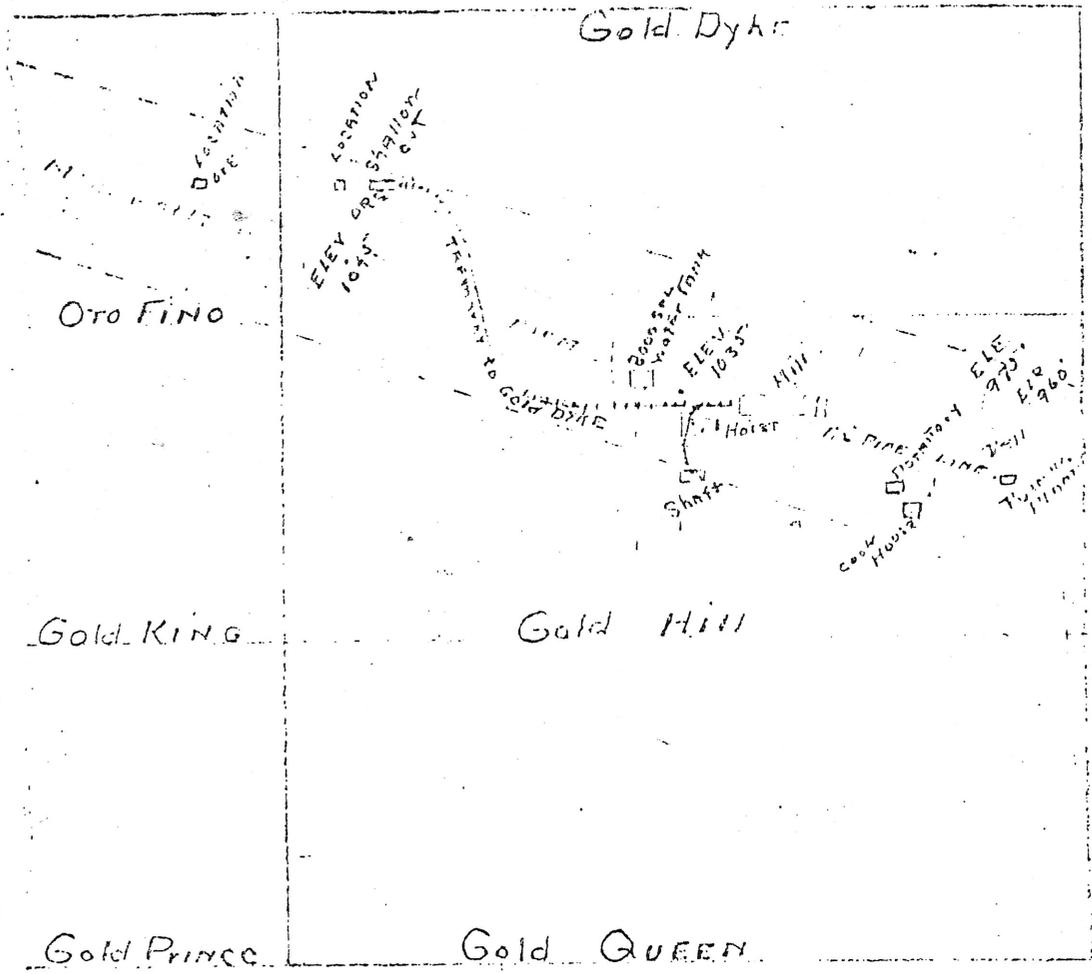
Gold .835% SILVER .064 COPPER 9 cents lb.



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Type of NINE

D.



MAP SHOWING
 APPROX LOCATION OF OPENINGS
 ELEVATION, BUILDINGS, ROAD ETC.
 MARICOPA CHIEF GOLD MINES CORP
 NO NAME MINING DISTRICT
 MARICOPA CO. ARIZONA

JR Mc DONALD
 REGISTERED ENGINEER
 STATE OF ARIZONA

Scale
 1 inch = 300 Ft

REPORT ON THE

HANCOY LEE MINING PROPERTY.

No Name Mining District,

Maricopa County,

Arizona.

J.R. MC DONALD, M.E.
Reg. Prof. Engineer.

1741 West Jeff. St.
PHOENIX, ARIZONA.

REPORT

On the mining property of the
MARICOPA CHIEF GOLD MINES CORPORATION,
No Name Mining District,
MARICOPA COUNTY, ARIZONA.

OFFICERS & DIRECTORS,
MARICOPA CHIEF GOLD MINES CORPORATION,
PHOENIX, ARIZONA.

GENTLE-MEN:-

At the request of the officers, of your Corporation, I have this day completed an examination of the mining property of this company, and herewith, furnish you my report and map of same,

THE MINES

THE MINING CLAIMS, Fourteen in number, consist of a very compact group, containing in all approximately 289 acres of mineral bearing ground, located and known, as the "HOME STAKE" No.s. "1," "2," "3," "4," "5," "6," "7," "8," "GOLD DYKE," "GOLD PRINCE," "GOLD KING", "GOLD QUEEN", "GOLD HILL", "ORO FINO",

SITUATION

These mines are all located in a compact group, on the most southerly slope of the Gila Bend Mountains, close to the western boundary of Maricopa County, No Name Mining District, fifteen miles in a northeasterly direction from Hyder, a station on the southern Pacific railway, and is connected thereto by the highway known as the new Agua Calienta road, ten miles from the siding of Camel, and eighty five miles from Phoenix the State Capitol, which city can be reached in three hours, by either train or automobile, altitude at camp 975 feet.

GENERAL GEOLOGY,

Highly metamorphosed sediments, with associated granodiorite, and granitic gneiss, together with the younger volcanic rocks of igneous origin, make up the whole or a great part of the buried mountain range which passes thru this property, in an east and west direction, there can be of little doubt that these rocks, with the exception of the younger lava flows, which covers the tops of the surrounding hills, are of Pre-Cambrian origin. These whole series are intruded by granite batholiths, and dark colored diorite dykes.

Considerable erosion has taken place in this district.

CAMP
BUILDINGS,
WATER.
CONTINUED.

A drilled well six inches in diameter and two hundred feet in depth was recently completed, water was encountered 68 feet from the surface, at the present time it is standing at 52 feet from the surface, this well will furnish ample water for domestic use, as well as keep a small milling plant in operation, well is two hundred feet in depth, and located three hundred feet south, and east of the camp site, and seven hundred fifty feet, from the 65 foot shaft on Gold Hill.

LUMBER,
MINING TIMBERS,
FUEL,

All mining timbers, and lumber for construction purposes, must be shipped in from California points or from northern Arizona.

Mining timbers F.O.B. Camel siding \$30.00 per thousand feet.

Gasoline and distillate for engine use, will have to be brought in from coast points or from Major companies at either Buckeye or Welton.

Fuel for camp use can be gathered on the desert close by the property.

EQUIPMENT,

There is no machinery of any kind on the property at the present time, all hoisting has been done by hand power.

A new blacksmith outfit consisting of forge, anvil, and hand tools are set up at the 65 foot shaft near the camp.

Complete hand mining outfit, consisting of drills, hammers, shovels, cable, track rails and ore car is now on the property.

PROBABLE
ORE

On the Home Stake No. 3, an inclined shaft, 80 feet in depth, has been opened up, this shaft follows the vein at an angle of 30 degrees from the horizontal, at the 22 foot point from the surface a drift fourteen feet in length was driven to the north, a small tonnage of high grade ore was taken out, at the sixty foot point from the surface another level was driven 24 feet to the north along a slight fault, the ore was opened up in this drift 54 inches in width, some of which showed Chryscolla ore,

Ore carrying gold values of from \$12.00 to \$60.00 per ton was removed from these workings by former owners near the surface, but their work never carried them below the step, or horizontal fault, below the level at the 22 foot point,

Below this fault the ore shoot dips to the north and as the inclined shaft bears to the west the ore shoot was left to the north, and the inclined shaft entered the granite a distance of 20 feet.

ECONOMIC
GEOLOGY.

This property is located on an intrusive mass of granite approximately one mile in width, which has been exposed by erosion,

A large fault traverses this belt along its northern boundary, which divides the intrusive granite from the volcanic sedimentaries, on the east, and south the granite seems to extend under the sediments.

The belt is cut by many diorite and diabase dykes, some of which are very wide, dykes of monzonite porphyry, and pegmatite pass thru the property in an east and west direction. The intrusive rocks though locally altered, along the shear zones, are not dynamically metamorphosed, and are believed to be much younger than the metamorphosed sediments which sometimes cover them,

The granite is medium grained, and is composed of quartz, feldspar, hornblende and alteration products and a few accessory minerals, some magnetite was noted,

A large dyke of fine grained porphyry passes thru this group from the north east to the south west, paralleling this dyke on the west side is a north and south fault, which is partially filled with a diorite dyke, the balance of this being filled with porphyry, calcite and siderite which carries disseminated particles of fine gold in commercial quantities, where this dyke is penetrated by the Gold Shaft it shows at the 65 foot depth to have a width of nine feet from wall to wall, one half of which is a good grade of free milling gold ore. approximately six hundred feet to the east and running parallel, ~~WHICHXXXXXXXXXXXX~~ is another vein which carries the same character of ore, this vein near the surface is four feet from wall to wall carrying free milling gold ore its entire width.

The former vein is opened and traced thru about 3500 feet in length, while the latter vein has been opened only a distance of 900 feet.

The pay portion of these veins, consist of a matrix of quartz, calcite, hematite, siderite and pyrite while the chrysocolla ores come in near the surface.

Every opening along these veins show the ore to contain free milling gold values.

TITLE _____

Title to the property is possessory, and perfect according to the United States mining laws.

CAMP
BUILDINGS,
WATER.

A good camp house, constructed of lumber and corrugated iron, 14 X 22 feet practically new is located on the Gold Hill claim, A small tent for two men to sleep in near by, the camp house is completely equipped with cooking outfit, stoves and etc. to take care of six or more men.

PROBABLE
ORE.

Twenty one hundred feet in a southerly direction from the Home Stake No.3, and along the Gold Vein, is located the Gold King Shaft, this shaft was sunk only a depth of ten feet, opening up a streak of ore, seven inches in width, this ore shows on the surface to the north of this shaft, for two hundred feet in length, tests on this ore gave a gold content of seventy dollars per ton, undoubtedly this vein will increase in width with depth at this point.

Twelve hundred feet south of the Gold King shaft, is located the Gold Hill Shaft, on the Gold Hill claim, this shaft like the Gold King Shaft is located on the Gold Vein.

The vein at this point is from two feet to six feet in width on the surface, for almost the whole length of the Gold Hill claim, it is opened by five shallow shafts none of which are more than eight feet in depth, and a shaft 65 feet in depth with a twenty foot drift to the south from the bottom of this shaft, this shaft was put down on an eighteen inch streak of ore which at the surface gave values of \$48.00 per ton in gold values alone as depth was gained the vein increased in width until at the bottom of the shaft the vein is 9 feet in width and carries free milling gold ore for approximately one half this width, this ore carries ~~XXXXXX~~ free milling gold values of a commercial grade,

One hundred and fifty tons of ore was won in sinking this shaft and is now piled on the surface.

In drilling the water well at the south end of this ground, below the 30 foot point, the drill passed thru 50 feet of ore and vein matter.

The vein in this ground dips to the west 70 degrees from the horizontal.

POSSIBLE
ORE.

On the north end of the Gold Dyke claim, and the south end of the Oro Fino claim, two parallall veins were opened up by location holes eight feet in depth, both of these openings are all in free milling gold ore of a commercial grade, the veins are four feet in width and like the Gold Vein six hundred feet to the west, dip to west at an angle of 70 degrees, these veins are very strong and with development should prove to be good ore producers, Free gold predominates both veins, no assays were made on these veins, but the gold pan shows pay gold values with some concentrates.

DEVELOPMENT,

PRACTICALLY SEVEN HUNDRED FEET OF DEVELOPMENT, which consists of cuts, shafts, drifts, and adits have been completed on the property.

Good road was constructed, connecting Home-Stake No.3 w with the highway on the north end, another road was built connecting Gold Hill with the high-way on the south end, another road connecting all the property with the camp site on Gold Hill.

A drilled well to furnish water for camp and mill use was finished early in the summer, this well was drilled two hundred feet in depth and six inches in diameter.

ORE PRODUCERS,

This property is located on one of the most productive mineral belts in Arizona, this belt runs from Old Mexico in the south to Nevada in the north, and in the past fifty years has produced millions of dollars in gold bullion.

Hundreds of gold producing mines have been developed along its course, many of which are producing at the present time, while others are worked out. Some of these old mines are the King of Arizona, with a production of three and one half million dollars, North Star with a production of one million four hundred thousand dollars, Harqua Hala three million, Golden Eagle one million, the Vulture to the north thirty miles eight million, the Raleigh to the east total production unknown, the new property of The Sheep Tanks to the west, whose owners claim one and one half million tons of gold ore blocked out, besides many others whose production is unknown to the writer.

FUTURE OPERATIONS,

I would recommend the installation of a small milling plant of thirty tons capacity each twenty four hours, at the Gold Hill shaft at once to take care of the ore which is taken out in sinking this shaft and driving the necessary levels.

The sinking of this shaft to the three hundred foot level, and a cross-cut drift driven to the east for the purpose of opening up the veins to the east of this shaft.

Also the sinking of a one hundred foot shaft on the Gold King to develop the ores which are showing in the shallow shaft.

The development on the Home Stake No.3 shaft can be left for a later date, as I am of the opinion that, the development of the two above mentioned shafts will all the development necessary for three or more years.

CONCLUSION.

Without any question the property of this Corporation is far above the average, and should without doubt develop into a gold mining property of considerable merit.

You have the proper geological conditions, backed up by two very strong veins, which with further development should produce ore in such quantities that in a short time you will find it necessary to increase the capacity of your contemplated milling plant, The property is accessible to the High-way and to the new main line of the Southern Pacific Railway a short distance away,

You have water and climatic conditions of the best with the proper finances and efficient management there is no reason that I know of why this property should not be on a profitable production basis in a short time.

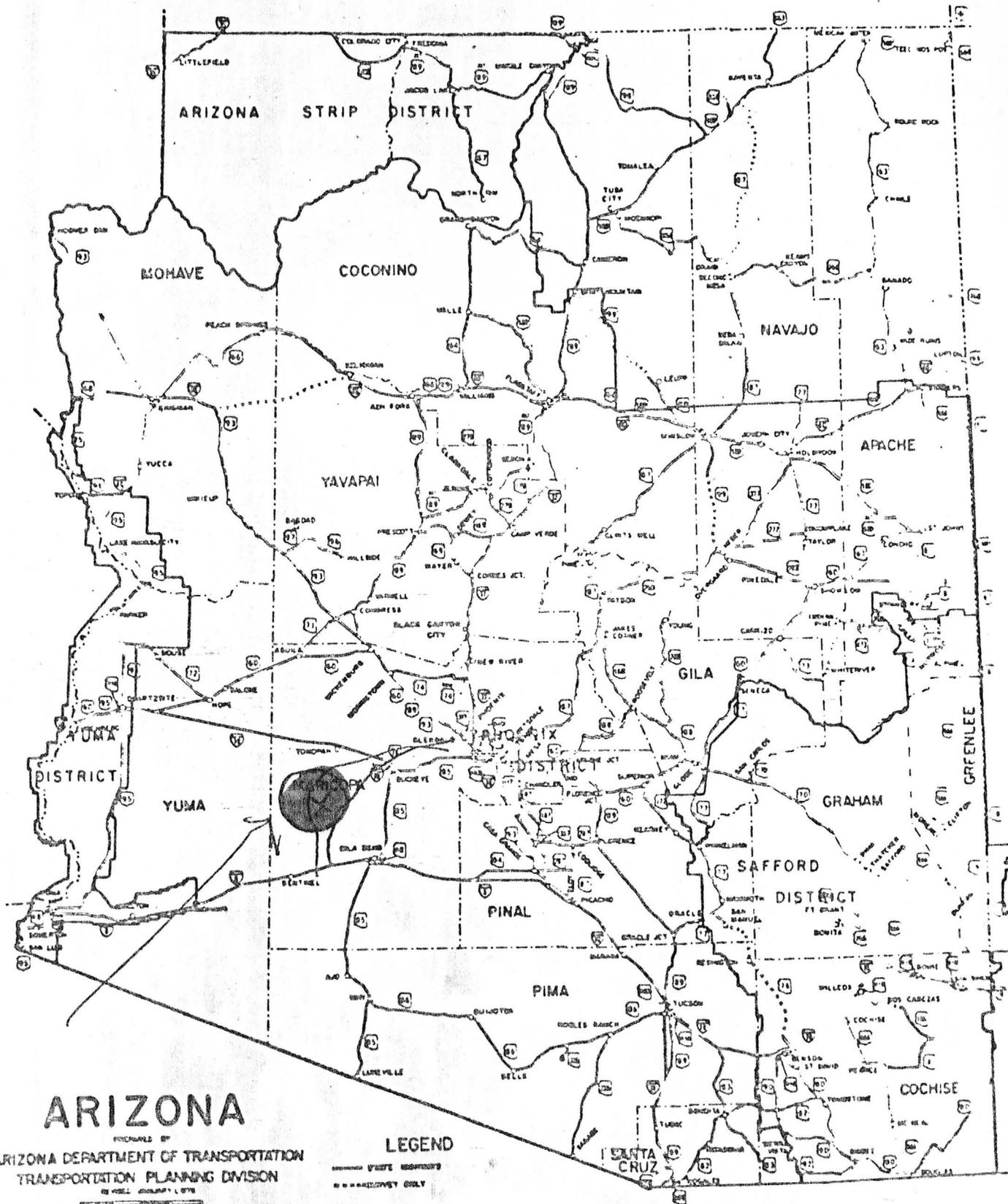
Respectfully Submitted,

E.M.

Reg. Professional Engineer

Dated at Phoenix, Ariz.
September 21, 1932.

Cer. No. 296.

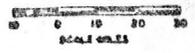


ARIZONA

PREPARED BY
 ARIZONA DEPARTMENT OF TRANSPORTATION
 TRANSPORTATION PLANNING DIVISION
 1958 (REVISED 1978)

LEGEND

—— STATE BOUNDARY
 - - - - - DISTRICT BOUNDARY



—— DISTRICT BOUNDARY

LOCATED IN T35, R10W

SECTION 12

REPORT ON THE
NANCY LEE MINING PROPERTY,
NO NAME MINING DISTRICT.

MARICOPA COUNTY, ARIZONA.
#####

Mrs. L.L. McDonald,
Phoenix, Arizona.

Sir:-

As per your request a few days ago, I have made an examination of your mining property, which is located near the base of the most southerly slope of the Gila Bend mountains No Name Mining District, Maricopa County, Arizona, and herewith furnish you my report on same,

THE PROPERTY.

This property consists of seven (7) full mining claims of twenty and one third acres each, and one mill site of five (5) acres, all in a compact body, of 147 acres of mineral bearing ground, which is known as the "NANCY LEE GROUP," made up of the following named mining lease claims, "Nancy Lee No. 1, Nancy Lee No. 2, Nancy Lee No. 3, Nancy Lee No. 4, Nancy Lee No. 5, Nancy Lee No. 6 Nancy Lee No. 7 and the Nancy Lee Mill Site,

SITUATION.

This property is located close to the western boundary of Maricopa County, near the base of the slope of the most southerly spur of the Gila Bend mountains, two miles northerly from the old land mark known as Montezuma Head, which peak rises to an elevation of three thousand feet above sea level, one mile east from the Agua Caliente High-way, and seven miles from the station or siding of Camel, on the Southern Pacific Railway.

ACCESSIBILITY.

ELEVATION of the property above sea level is approximately 975 feet, while neighboring peaks rise to an altitude of three thousand feet,

The property is accessible by a good graded road, from the rail-road siding at Camel seven miles away, from Agua Caliente Hot Springs fifteen miles, and eighty seven miles from Phoenix, capital of the state.

GEOLOGY.

The highest peaks of this part of the Gila Bend mountains, are composed of extrusive igneous rocks, which rest on an eroded surface of much older rocks, these older rocks are exposed in the low foot-hills of this area, the volcanic rocks are probably of mesozoic and tertiary age, the older rocks consist of metamorphosed sediments with associated pegmatites, which I think to be of Pre-Cambrian age, intruded by granite and dyke rocks of probably mesozoic age, Rhyolites and andesites with accompanying tuffs, breccias, and local thin beds of grits are overlain by olivine basalts which cap highest peaks,

An intrusive mass of granite exposed by erosion in a belt approx. three quarters of a mile wide occurs on this property it is cut by by diorite dykes some of which are fifty feet or more in width, the granite is medium grained and is composed of quartz, feldspar, hornblende and alteration minerals, a wide dyke of andesite porphyry crosses the property on the south side.

GEOLOGY.
(CONT.)

A dark pyritiferous metamorphosed schist, in a slaty form, is the north wall of the "NANCY LEE VEIN", this is undoubtedly of Pre-Cambrian origin, while an altered andesite porphyry forms the south wall,

The vein itself is approximately twenty seven to thirty five feet in width and consists of Phorphyry, Limonite, Jasper, Quartz, Calcite and brown to moroon colored andsite fragments, in places this vein is cut by dark colored dykes of diorite, this vein has been opened by only challow openings, and is cut by two or three arroyos which expose this vein as to width and possibilitiss,

While the surface mineralization shows but small values in gold and silver, not sufficient to justify a milling plant at the present time,

I am of the opinion that an expenditure of a few hundred dollars in an exploration shaft would show up a body of commercial milling ore at a shallow depth, and which would be of such character as would warrant the exploration of this vein on a much larger scale,

TITLE.

Title to this property is possesory, and at the present time rests in fee with L.L. McDonald.

IMPROVEMENTS.

There is no buildings or improvements on the property at the present time, only title work is being attended to.

WATER, FUEL,

LUMBER.

I am of the opinion that water can be developed in sufficient quantities for all purposes on the large wash on the south side of the property on the Mill Site, at a very small expense, approximately two hundred dollars,

Fuel for camp purposes can be picked up along the different arroyos where it is very plentiful.

Lumber and mining timbers, will be shipped in from coast points at a cost of approximately thirty dollars per thousand feet,

RECOMMENDATIONS.

FOR FUTURE

OPERATIONS.

No development other than the necessary location work, has been done on this property, the numbers 5, 6, and seven having only paper locations, location shaft as yet has not been completed on these three claims,

I would recomend the development of the "NANCY LEE VEIN" by sinking a shaft on the vein near the intersection of the two arroyos where the large cropping of leached ore is exposed, and the continuing this shaft down seventy five to one hundred feet, with the necessary drifts from the shaft for the purpose of exposing the ore body which I am satisfied will be cut by this shaft, after this is done the necessary reduction plant can be constructed on the mill site twelve hundred feet to the south,

For access to and from the property it will be necessary at a later period to construct a road to connect the property with the Agua Caliente High-way this road will be approximately one mile in length and cost approximately one hundred dollars for construction,

After development has been completed and to secure water supply for milling purposes a well can be drilled on the mill site and an adquate supply of water procured in the mean time water for domestic use can be secured from the MARICOPA CHIEF well one half mile to the west,

RECOMMENDATIONS
FOR FUTURE
OPERATIONS.

(CONT.)

Cost of sinking the shaft to one hundred feet in depth should not cost to exceed one thousand dollars, lateral work will not exceed seven to eight dollars per foot.

The district in which this property is located is well mineralized, and is located to the east of the rich KOFA DISTRICT of Yuma County, which has produced many mines of both gold, and silver, of the shallow bonanza type, such mines as the North Star Star and King of Arizona, which are now worked out, and the New Sheep Tanks mine now coming in,

The geological conditions at these properties being some what similar to those to be found along the Nancy Lee vein, and I can see no reason why the deposition ~~subsequent~~ of the mineral solutions should not be practically the same.

Yours Respectfully

M.E.

Dated at Phoenix, Ariz.
January 10, 1934.

Reg
Reg. Prof. Engineer
Certificate No. 298.