

## **CONTACT INFORMATION**

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## PRINTED: 01/31/2002

# ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MAMMOTH BUTTE

ALTERNATE NAMES:

MS 3409 BATTLE AX CLAIM

SUNSET COPPER CO. PROPERTY

PINAL COUNTY MILS NUMBER: 556C

LOCATION: TOWNSHIP 8 S RANGE 18 E SECTION 23 QUARTER NE LATITUDE: N 32DEG 43MIN 24SEC LONGITUDE: W 110DEG 28MIN 21SEC

TOPO MAP NAME: RHODES PEAK - 7.5 MIN

**CURRENT STATUS: PAST PRODUCER** 

COMMODITY:

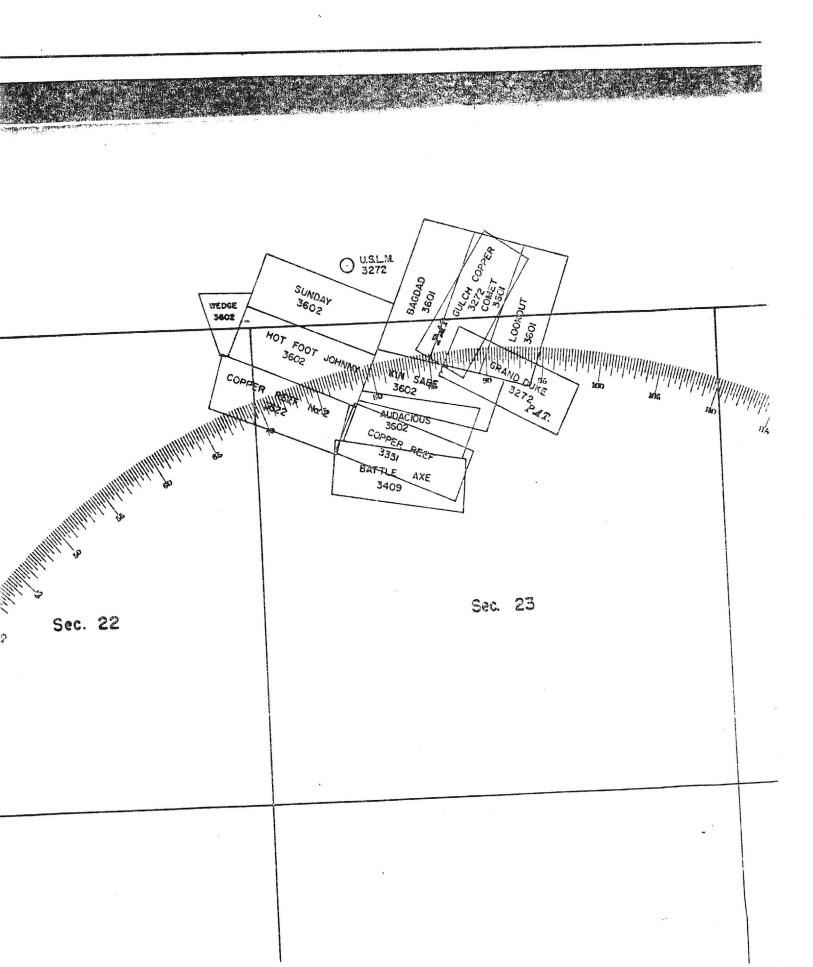
COPPER OXIDE

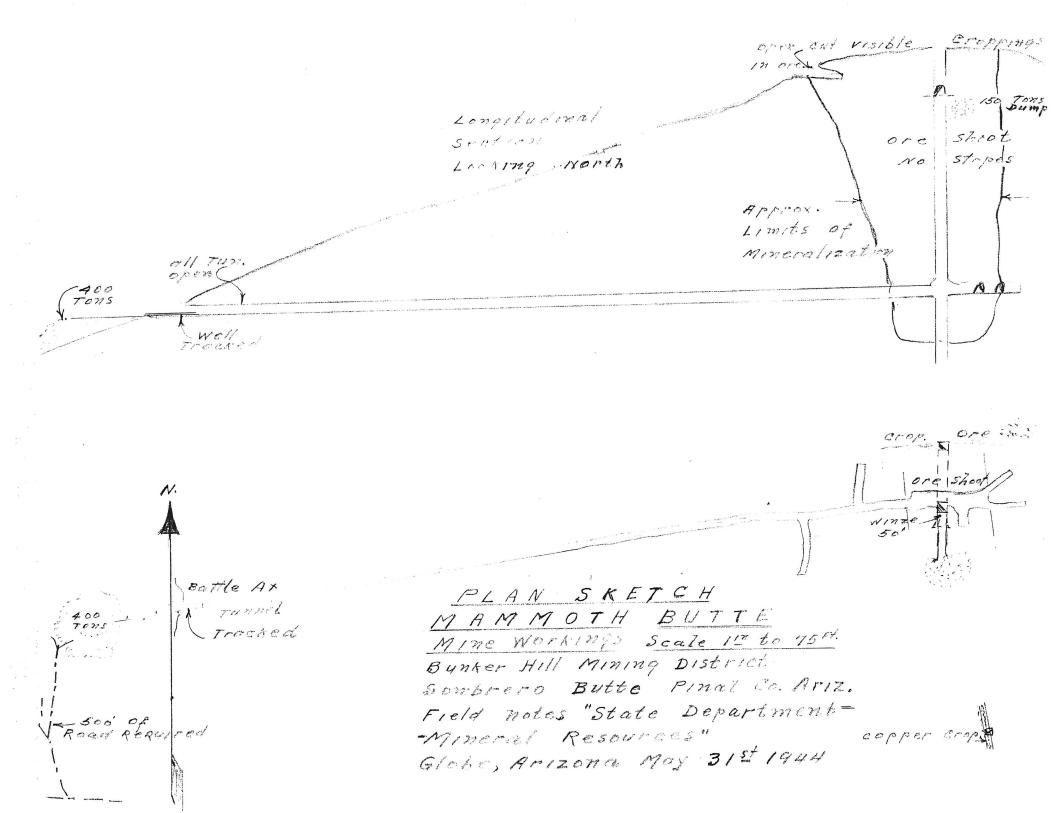
SILVER

## **BIBLIOGRAPHY:**

ADMMR MAMMOTH BUTTE FILE BLM MINING DISTRICT SHEET 743 ADMMR SUNSET COPPER MINING CO. FILE ARIZONA MINING JOURNAL JUNE 1919, P. 67 ABM BULL 158, P 56-65 KUHN, T.H. "PIPE DPSTS OF COPPER CRK AREA" ECONOMIC GEOLOGY V. 36 P 512; 1941

UNITED ST TES DEPARTMENT OF THE INTERIOR 27'30" GEOLOGICAL SURVEY 550 940 000 FEET (CENTRAL) 110°30′ 547000m.E. 32°45′ JEEP, 3623000m.N. Ruins 13 Mulberry USEM )272 Spring Well Ruins Magna Mine ¥4562 Sombrero Butte 3621 6030 Benmlan Whitting Spring 630 000 FEET Caves (CENTRAL) Corral 5445 3620 sombrero 0-3619 27 42'30" 3618 Springs Ruins





NAME OF MINE: HOGNASON Mammoth Butte

COUNTY: PINAL

DISTRICT:

OPERATOR AND ADDRESS:

HITE STATUS

METALS:

G.B. Hognason, Sombrero Butte 5/1/44

5/16/44

Investigate Developing per macharlane

CU

6/44 7/44

Lean applied for Loan not granted occ. Shipment

Idle

HOGANSON, G. B. Sembrara Butta, Ariz. Mammoth, Ariz. (150)

5-30-44

See MAMMOTH BUTTE - Re Field Eng. Rept.

MAMMOTH BUTTE

Cu

Pinal

11 - 4

S T 8 S R 18 E

G. B. Hoganson, Sombrero Butte

44

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U.S. CRIB—SITE FORM  RECORD IDENTIFICATION  RECORD JEST ANNOE MAY  R			5 MIC (FNIA6Y V. 36) 6	<u>1512.</u>
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STER AFFILIATION GS ( A 6 GHT ) STER AMMERIAN STATE ASO (A.Z.)  COUNTRY AMO (.U.)  STATE ASO (.E.Z.)  COUNTRY AMO (.U.)  STATE ASO (.U.Z.)  COUNTRY AMO (.U.)  COUNTRY AMO (.U.)  STATE ASO (.U.Z.)  COUNTRY AMO (.U.)  COUNTRY AMO (.U.)  COUNTRY AMO (.U.)  COUNTRY AMO (.U.)  STATE ASO (.L.Z.)  CAN (.U.)  CAN (.U.)  STATE ASO (.L.Z.)  CAN (.U.)		0 <> 1 < 8,248,03.}	RECORD IDENTIFICATION  **DECORD TYPE B20 (1×1,1,11)  DEPOSIT NUMBER B40 (1×1,1,11)	<u>.</u>
ING DISTRICT/AREA A30 \ \text{UNIXEZ HILL DX} COPPER ONTE JUNIET  LOCATION  ING DISTRICT/AREA A30 \ \text{UNIXEZ HILL DX} COUNTRY A40 \ U.S.O.D.T. D.T. D.T. D.T. D.T. D.T. D.T. D.	RT DATE G	1 (8,2,8,0,3) YR. MO.	RECORD IDENTIFICATION  *RECORD TYPE B20 < X, 1, 1, 1) DEPOSIT NUMBER B40 < DEPOSIT NUMBER B40	<u>.</u>
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NTY A60 PINAL SIGGRAPHIC PROV A63 (1.2 1.5 0.5 0.2 0.3 1.4 1.0 wer color prod INAGE AREA A62 (1.5 0.5 0.2 0.3 1.4 1.0 wer color prod INAGE AREA A62 (1.5 0.5 0.2 0.3 1.4 1.0 wer color prod INAGE AREA A62 (1.5 0.5 0.2 0.3 1.4 1.0 0.0 0)  SECOND QUAD SCALE A100 (2.4 0.0 0)  SECOND QUAD SCALE A91 (1)  SECOND QUAD SCALE A91 (1)  A77 (1)  ACCURACY  ACCURA	RT DATE G RTER(SUPERVISOR) G RTER AFFILIATION G	1 (8,2,8,0,3,) YR. MO.  2 (GEST, DDN E. (last, first, middle initial)	RECORD IDENTIFICATION  *RECORD TYPE B20 < 1, 1, 1, 1) DEPOSIT NUMBER B40 < 1 DEPOSIT NUMBER	; <b>4</b>
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ACCURACY  ATTIMING A120 (3.6.2.0.6.9.0.)  ACCURATE ACC (circle)  ESTIMATED (EST)  ADASTRAL  MINSHIP(S)  A77 (0.6.8.5.1.4.1.2.)  AND ASTRAL  MINSHIP(S)  A77 (0.6.8.5.1.4.1.2.)  A77 (0.6.8.5.1.4.1.2.1.2.)  AND ASTRAL  MINSHIP(S)  A77 (0.6.8.5.1.4.1.2.1.2.)  AND ASTRAL  MINSHIP(S)  A77 (0.6.8.5.1.4.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2.1.2	ORT DATE G ORTER(SUPERVISOR) G ORTER AFFILIATION G ONYMS A1	1 (8,2,8,0,3,) YR MO. 2 (GEST, DDN E (last, first, middle initial) 55 (AGGMT 11 (BATTLE AX,	RECORD IDENTIFICATION  *RECORD TYPE \$20 \( \times \tau \tau \tau \tau \tau \tau \tau \tau	
APRICAL   APRI	ORT DATE G ORTER(SUPERVISOR) G ORTER AFFILIATION G ONYMS A1	1 (8,2,8,0,3) YR MO. 2 (GEST, DON E (lost, first, middle initial) 55 (ABGMT 11 (BATTLE AX,  A30 (BUNKER HILL  A60 PINAL	RECORD IDENTIFICATION  *RECORD TYPE B20 < X, 1, 1/1) DEPOSIT NUMBER B40 < *INFORMATION SOURCE B30 < L, 2,	,40<,∪, \$
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ERIDIAN(S) A814 GILA AND SALT KINER	ORTER SUPERVISOR) GORTER AFFILIATION GONYMS AT ING DISTRICT/AREA INTY SIOGRAPHIC PROVINGE AREA ADRANGLE NAME OND QUAD NAME VATION  TM ORTHING A120  STING A130  ONE NUMBER A110  ADASTRAL	1 (8,2,8,0,3) YR MO. 2 (GEST, DON E. (lost, first, middle initial) 55 (AOGNT 11 ( BATTLE AX,  A30 ( BUNKER HILL A60 ( PINAL A63 ( L1.2,8) A90 ( RHOOPS PEAN A92 ( A107 ( L4. L5.0,8) L3. (2.0,6,9,0) L5. (4. R. (3. 8) L5. (4. L5. (4. L5. (4. 8)	RECORD IDENTIFICATION  *RECORD TYPE B20 (X,1,11)  THE LINK IDENT. B50 (WS 611-0.04.0.2) 0 G  ((kast, first, middle initial)  *SITE NAME A10 (MA PIMO FH CHITE MINE  LOCATION  *TAME A50 (A.2)  *COUNTRY A  *COUNTR	1,7,9,)
14 MILE NE OF SOMORGEO DUTTE SUMMIT	ORTER SUPERVISOR) GORTER AFFILIATION GONYMS AT INTO SITUATION GONYME PUMBER AT INTO SITUAT	1 (8,2,0,3,) YR MO. 2 (GEST, DON E (loss, first, middle initial) 55 (ABGMT 11 (BATTLE AX,  A30 (BUNKER HILL A60 (PINAL A63 (1,2,0) A62 (1,5,0,5,0,2,0) A90 (RHOOPS PEA A92 (1,5,0,5,0,2,0) S,4,3,3,0,5) +11,2,5  A77 (0,0,8,5,0,5)  A77 (0,0,8,5,0,5)	RECORD IDENTIFICATION  RECORD TYPE 820 (X,1,1,1)  THE LINK IDENT. 850 (WS.6M-0.14.0.2) O.G.  (loss, first, middle initial)  SITE NAME A10 (MAMMOTH CUTTE MINE  LOCATION  STATE A50 (A.2.)  COUNTRY A  QUADRANGLE SCALE A100 (2.4,0,0,0)  SECOND QUAD SCALE A91 (1.14, 17.2.)  ACCURACY  ACCURA	1,7,9,)
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ESSENTIAL INFORMATION
ESSENTIAL SOMETIMES OR HIGHLY RECOMMENDED

	COMMODITY INFORMATION
	/cu , b/A.6. , b/ , , b/ , , b/ ,
OMMODITIES PRESENT C10	( COPPER CARBONATE, PRODADLY AZWRITE, MALACHITE
RE MINERALS C30 C	\(\(\frac{1}{2}\)\(\f
EN. ANALYTICAL DATA C43	
OM. INFO. COMMENTS C50	<u></u>
	NON-PRODUCER
SIGNIFICANCE	
MAJOR PRODUCTS MAJ	MAIN COMMODITIES PRESENT C12 MINOR COMMODITIES PRESENT C12
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	EXPLORATION OR DEVELOPMENT  NON-PRODUCER
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PRESENT/LAST OWNER A	112
PRESENT/LAST OPERATOR A	135 DAYLO C. HARTLEY 1948  1105 DAYLO C. HARTLEY 1948  1106 DAYLO C. HARTLEY 1948  1107 DAYLO C. HARTLEY 1948
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	DESCRIPTION OF DEPOSIT
DEPOSIT TYPE(S)	CAO ( VEIN / BRECCIA PIPE
DEPOSIT FORM/SHAPE	M10 VINITS M41 VINITS
DEPTH TO TOP	M20 UNITS M21 UNITS M21 UNITS M51 UN
DEPTH TO BOTTOM	UNITS M61\
DEPOSIT SIZE	M15 SMALL M15 (MEDIUM) M15 (LARGE) (circle one) MAXIMUM THICKNESS M60 \
STRIKE	M70( ) PLUNGE M90( WITH FAULT FLOSURES.
"NRECTION OF PLUNGE	
P. DESC. COMMENTS	MIIO PIPES DE TOTAL DE AV VEIN
MAIN	VEIN CALLED THE BATTLE P. VOIN
	DESCRIPTION OF WORKINGS
	*OVERALL LENGTH M190 UNITS M191 U
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DEPTH BELOW SURFACE	M160 1/3 OVERALL AREA M210 OVE
LENGTH OF WORKINGS	M170   1200   UNITS M171   FT   ONE 75 FT SHAFT, ONE 64 FT SHAFT  M220 ONE 175 FT SHAFT, ONE 75 FT SHAFT FT GELDW TUNNEL FLOOR
GOD FT	M220 ONE 175 FT SHAFT, ONE TO BELOW THINKEL FLOOR
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	orology.
	GEOLOGY
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# DEPARTMENT OF MINERAL RESOURCES

# FIELD ENGINEERS REPORT

Mine

Mammoth Butte

District Sombre

Sombrero Butte, Bunker Hill.

1

Subject: Examination.

Date May 50th, 1944
Engineer A. MacHarnage ARIZONA

MINE PROPERTY; 10 unpatented claims, situated on the northwest foothills of the Galluri range and less than 1/2 mile easterly from the village of Sombrero Butte and approximately 16 miles easterly from the mining town of Mammoth, all in Pinal County, Arizona.

OWNER; Mr G.B. Hoganson, post office Sombrero Butte, by location and purchase of the Battle Ax claim, has been the undisputed owner for several recent past years.

ROAD TO MINE; From Mammoth take county highway northerly crossing the San Pedro river on the bridge, this is the road to Winkleman, but at a point about one mile north of the bridge, turn abruptly towards the east and follow the County road up the river valley and on the northeast side of the river, for about 6 miles; thence taking a left hand road, which follows up the Bunker Hill wash, approximately six miles in a general easterly direction to end at the village of Sombrero Butte and the mines of the immediate vicinity.

ORE MARKET; for the merchantable ores of this locality of Sombrero Butte, the Hayden Smelter distant about 37 miles, provides an economical and quick copper market. With the exception of about 3 miles next to the mine, the road is maintained and about 1/2 of the entire distance is paved.

WORKING COSTS; First mining the ores now visible in 2 copper shoots now opened by a 600' tunnel, winze for 45' below tunnel floor and upraise to the surface cropping about 200' above tunnel back. In this developed ground the shippable copper seems to be upwards of 5' to 12' in width. The length of the ore body will vary from 30' to 50'.

NINE DEVELOPMENT; Over a period of 25 years past, there has been fully 1,200 linear feet of tunnelling, winze and upraise, made on the Battle Ax claim and mineral system. Additional workings made on other veins or mineral showings, found easterly from the Battle Ax, and south are not considered herein, due to the caved in condition of same, and need of extending the road to reach such workings.

MINERALIZATION; The visible ores are carbonate of copper in a quartzmonzonite gangue, together with bands infrequently of quartz. Selvage
is apparent seperating the mineralization from the wall or casing
rock, which may be a monzonite granite.

# DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

# FIELD ENGINEERS REPORT

Mine

Mammoth Butte

Date

May 50th, 1944

District

Bunker Hill

Engineer

A. Macfarlane

Subject:

Examination.

2

Ores of the cropping are visibly the same as the ore in tunnel dump mined below the tunnel floor, or 240 lower. Evidently the horizon of copper sulfides, may only be found at greator depth, than the winze, which is yet in the oxidized top zone.

The main workings called the Battle Ax tunnel, mostly followed a fracture having a course from tunnel portal of North 71 degrees East and at nearly 525' east of the portal, a body or shoot of copper ore was opened.

The last 50' of the tunnel turns 15 degrees more to the east, making the ore on a nearly east to west strike. The length of the ore shoot here seems to be about 30' and may have a width of pay ore of 5' to 10', the limits of mineralization not to clearly defined, and as stated heretofore, this ore shoot extends down the winze for 45' and upraise to surface of 200' above tunnel back.

Tons

A north and south vein or cropping of a copper shoot, about 500° southeast of the tunnel portal, shows ore in the cropping; the further prospecting of this mineralization could add to the ore reserves.

REQUIREMENTS; No machinery is owned or installed within the Butte Mammoth mine, and in order to install a competent 1 or 2 drill compressor outfit complete with piping, hose and drills, etc, required \$ 1,500.00 A 40 ton ore bin should be installed immediately

A few hundred dollars of the above required capital could be used in opening up the North to South cropping ore showing and clean out some of the old workings on veins further to the south.

REPORT; Made by N.W. Logue May 1st, 1918 gives a list of semples assayed these ranging in copper content from 3.6% to 18.% I dare say that the high grade samples were from enriched stringers, within the general mass, and that about 4% will be a more correct average, of these ores.

# DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Mammoth Butte Date May 30th, 1944

District Bunker Hill, Sombrero Butte.

Engineer

A. Macfarlane

Subject:

Examination.

3

GEOLOGY & STRATIGRAPHY; The rock formation within which is found the Battle Ax fracture is apparently a Monzonitic granite, Pre-Cambrian, intruded later by granite porphyry making fault fissures and fracture planes along which later deposition of the minerals, took place.

> As this report has to do, with the extent of commercial mineralization, or ore bodies, it is beleived that the fracturing occurred long before mineralization, and that the deposition of the copper only shows in the Battle Ax vein, where the fracturing was most pronounced, and is not generally evident along the length of the fracture, but only at certain short shoots.

Later intrusives have faulted the downward course of the fissureing, now neccessitating further explorations to determine, if mineralization does extend downwards.

However the ore shoots now visible both in the Battle Ax tunnel area and the ajoining Bunker Hill properties, are of commercial size, and yeild a fair grade of copper ore.

FINAL CONSIDERATION; As stated herein, there is approximately 4,000 tons estimated to contain 320,000 Lbs of copper, minable without further development and as the zero quota and a special premium of 5.5 cts, has been granted, the following working program, would without delay produce this copper:.

> First; Three or four days of a bulldozer would make the needed road spur to reach under the 400 ton dump, and this dump ore trucked to

Second; procure ore bin timber and erect a bin of about 40 ton capacity , so situated as to receive the ores as mined within the tunnel and trammed to this bin.

Third; On completing the bin an airdrill and compressor should be installed near the tunnel portal, and the work of actually mining the ores, from the ore body, both below the tunnel level and between the tunnel back and surface. An air tugger would be usefull for the hoisting of the ores under tunnel floor.

Mine timbers and for ore chutes 4000 board feet would take care of the earliest needs, to carry on the work of mining.

CI, Macfarline

June 5, 1944

13,80,50

R.F.C. Mine Loan Division 325 Heard Building Phoenix, Arizona

Gentlemen:

We are enclosing copies of report and map on the Mammoth Butte Mine.

Mr. Macfarlane has requested us to send these to you to accompany a lasn application made by Mr. G. B. Eoganson.

Yours very truly,

Secretary

Enc.

# DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

# FIELD ENGINEERS REPORT

Mine

District

Subject:

Date

Engineer

Tune 1st JUN 44 1944

x 505 Globe, Arizona.

Department Of Mineral Resources Office, Phoenix, Arizona. Mr Chas. Dunning Director;

Please have this breif report copied and the sketch map printed and what sent to the office of the R.F.C. to accompany application for a loan, said application made by Mr G.B. Hoganson.

Am working with the large Companies on matters covered in your recent instructions, will report the Inspiration and International information and others soon thereafter.

Am also boiling down data on the Tombstone unwatering project and will in due time hand same into your office.

Have request from Mr Coupal to examine Ripsey Canyon property of Martin Fishback, will kryxand make this examination, on completing interviews which you have ordered, unless otherwise sooner instructed.

Very truly Yours

at, Macfarlane

# REPORT ON MAMMOTH-BUTTE MINE SOMBRERO BUTTE, \*PINAL COUNTY, ARIZONA.

The Mammoth-Butte group of mining claims are located in the Bunker Hill Mining District, Pinal County, Arizona, about one half mile east of the Sombrero Butte postoffice.

## CLAIMS

The mine consists of a group of nine (4) unpatented lode claims in one contiguous group. These claims were formerly owned and under lease and bond to the Sunset Copper Company. The Battle Axe claim has been surveyed for patent but not carried through to patent.

# DEVELOPMENT

part of this work has been done on the Battle Axe claim and consists of a 175 foot shaft sunk on the cre, with a 606 foot tunnel intersecting the bottom of this shaft at the face of the tunnel. A 50 foot winze has been sunk from the tunnel level about 15 feet from the shaft. On the surface and about 150 feet west of the shaft is a 50 foot open cut.

On Butte #3 is a 70 foot shaft. This shaft is on a fault fissure vein about 5/8 mile long and 20 feet wide.

On Butte #1 a shaft 64 feet deep has been sunk in ore all the way down.

On the remainder of the claims are several short tunnels and shallow shafts.

## GEOLOGY

which has been intruded into the Pre-Cambrian schists in irregular masses and of varying size. The sedimentary and basaltic flows which cover Southeast Arizona have been all eroded away in this district. The Manzanite Granite on this group has been broken by five east and west fault fissure veins. To each side of these veins the rock is strongly sheeted. In some places the sheeting in planes enclose small veins and in some cases brecciated chimneys or pipes from 20 to several hundred feet in diameter. The ore occurs as a rule as a filling between the fragments breccia.

on the Battle Axe claim the surface around the 175 foot shaft shows a brecciated and mineralized area about 60 feet wide and 300 feet long. The shaft is in ore almost continuously from the surface down. On the 120 foot level a full cut went 4.10% cu. and on the tunnel level, at the bottom of the shaft a sample over a width of 30 feet went 5.62% cu. On the 50 foot level of the winze the west end went 3.14% cu. Over 750 tons of ore on the dumps will average over 5% cu. while 200 tons will go 8%. The ore in all cases is malachite and chrysocola with some little oxides of copper. So far no sulphides have been found. On the adjoining property sulphides were found at 35 feet from the surface. In this case the ore was not found in a vein as on the Battle Axe claim, but in a chimney. Sulphides should be found in the winze before a depth of 100 feet is rached.

# GENERAL

The present means of transportation is by automobile, 25 miles up the San Pedro from Winkelman and then nine miles to the east up a sand wash. The cost of freight at present is nine to ten dollars a ton. Several surveys for a railroad up the San Pedro have been made passing within 8 miles of the property. With a low railroad rate several thousand tons of ore which are already blocked out could be shipped at a profit.

On all five fault fissure veins which cross the property from east to west there is a good showing of ore. Picked samples going as high as 35% cu. With a 1500 foot tunnel following the fissure vein, which is covered by the Battle Axe #1 and Butte #3 claims, a back of 850 feet would be obtained. This would put the face of the tunnel directly below the 70 foot shaft on the Butte #3 claim where there is a good showing of copper its entire depth. Being a fault fissure vein it gives promise of great depth.

The entire group of claims is covered with a good growth of Live
Oak sufficient for ties and domestic purposes for some time. On the Battle Axe #2 is a good spring giving sufficient water for camp purposes.

503, toognason, Jan 1st: 1928

