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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: COPPER BELLE CLAIMS

ALTERNATE NAMES:

PINAL COUNTY MILS NUMBER: 706A

LOCATION: TOWNSHIP 10 S RANGE 16 E SECTION 19 QUARTER C
LATITUDE: N 32DEG 33MIN 00SEC LONGITUDE: W 110DEG 44MIN 45SEC
TOPO MAP NAME: CAMPO BONITO - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

GOLD
COPPER OXIDE
SILVER
MOLYBDENUM

BIBLIOGRAPHY:

ADMMR COPPER BELLE MINE FILE

COPPER BELLE MINE

PINAL COUNTY
ORACLE DISTRICT
T10S R16E Sec. 19

Pinal County MILS Index #706A

Mammoth 15' Quad (included in file)

ORACLE 15'
TUCSON 37 MI. (WINKELMAN 1:125 000)
ORACLE 1 MI.

ORACLE 1 MI.

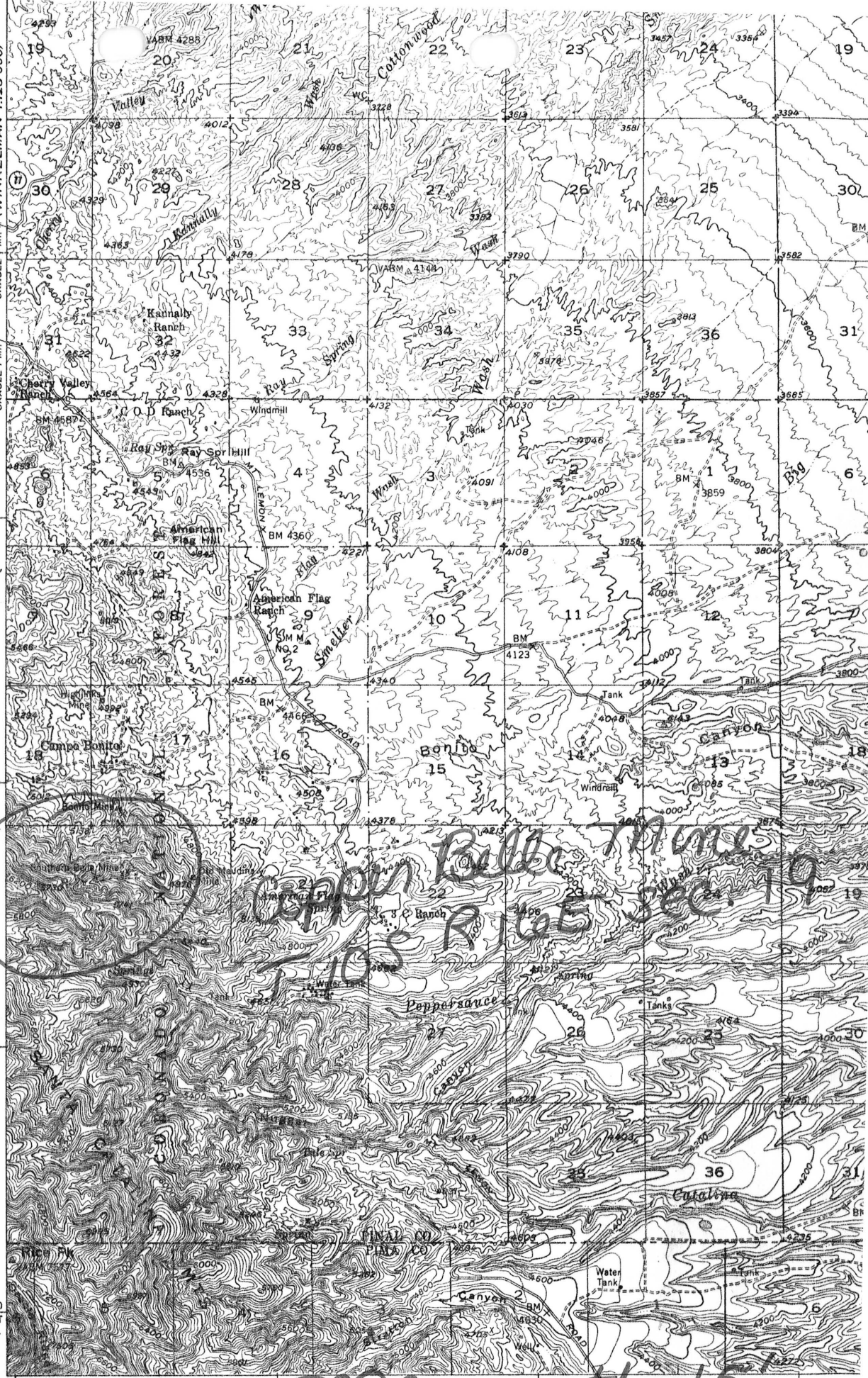
35'

T. 10 S.

550 000
FEET
T. 11 S.

32°30'

110°45'



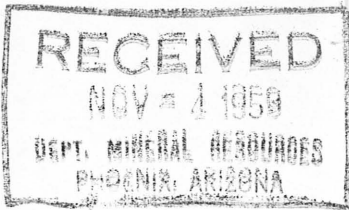
Handwritten: Canon Bella Mame
T. 10 S. R. 16 E. Sec. 19

Handwritten: Mammoth 15'

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1945. Field check 1948



SON 1:125 000



1408 American Townsite
Gay, Arizona
November 2, 1959

Mr. Frank P. Knight, Director
Department of Mineral Resources
Mineral Building, Fairgrounds
Phoenix, Arizona

Dear Mr. Knight:

I received your letter of
October 26 in regard to the
interview with Lewis A. Smith,
field engineer. Please let
me correct or adjust the
placing of my mineral
deposits as I have found
them. We have 15 unpatented
claims. Three are on public
domain and 12 are on ^{forest} reserve.
They have been examined
by the forest service and
declared O. The claims are

separated and in 3 groups.
The three groups are side
by side.

Location: The property adjoins
Camp Bonita on the west and
the Hi Jenks on the north
and west. The Golden Dream
mine bordering me on the
south, owned at this present
time by Mrs. Patterson, was
owned by C. W. McKee and I
was an interested party. When
Mr. McKee passed on, I was left
out. I didn't receive anything
for my investment or my
labor. The Southern Bell
joins Camp Bonita on the south
but does not join my claims.
Camp Bonita, Hi Jenks and
the Southern Bell are all
patented ground.

I have been prospecting, pocket gold or silver and other metals in that vicinity, almost 38 years. I found that I must go under the ground to find where it came from. I knew that the Southern Bell had taken out many thousand dollars in a fractured zone. Camp Bonita was engineered and owned by Mr. Ewing for many years before and during my time. He took out many thousand dollars of shelite and gold and was in sympathy with other metals.

I find flour gold in a placer growing coarser as I go deeper. I've only practically broken the ground and feel

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that this will go many feet deep. I hope to operate this to regain some of the finances that I earnestly worked for — that I may open up and develop the copper and bismuth. I would not be surprised to find a great quantity of silver later on in that particular place.

Strange as it may seem the other side of the mountain, would I say 200 yards, maybe 300 yards from this particular spot, seems to want to transfer itself over into gold. There are a lot of sulfites in this region. It is not on the same claim that the placer is on. It might run 1200 feet or better from the placer.

I do not know⁵ whether
or not you realize there has
been much placer taken
out of this part of the
country for years — mostly
all on the surface. That ran
out so I went underground
to try to find where it came
from. I believe I have
better than a 60 foot depth
of placer. I will have to
prove that. I may run
into plenty of water there.

The Chalcocite coated
pyrite in narrow veins
colored with copper or a
silver base has plenty of
gold that goes with it.
That is on one of the other
groups. It could possibly
show up as the Silver Bell.

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I have a shaft that is not deep enough to determine its values accurately. I hope to get a larger drill soon to save time. We have a small tractor and a drill.

The dark mineral that was mentioned by Mr. Smith that goes along with the placer — I wouldn't be surprised from my workings that it could be silver. I hope to have this all assayed properly and bring the reports as I desire to talk with you personally.

The second group, the one not previously mentioned, lies between the first and third group. I feel that it

would be the continuation
of one group or the other. All
I have done on the second
group is assessments. I have
always tried to do my
assessments where the
prospects were good. I felt
that otherwise my time was
lost.

Please correct the spelling
of my name (it is Vanderflute).

There are three of us:

- C. W. Vanderflute
- Norma Vanderflute, my wife
- Kenneth L. Cole, my brother-in-law
(not my son-in-law)

You may be interested to
know that, though I am 71
years old, I have a 39 year
old wife and two daughters; Lonna

is eight and Bonnie is four.
My wife's brother Kenneth L.
Cole and my wife have
made it possible to develop
these claims financially
and labor and I have made
them each one-third owner.

I am in Old Hat District,
Pinal County, about three
miles southeast of Oracle.

Pertaining to tunnels
and drifts - On our placer
we have made a cut or
drift 50 to 60 feet long, 6 to
12 feet depth and 8 to 10 feet
wide.

About 1200 feet from the
placer, where we are going into
hard rock, we have a drift
about 40 feet long, 14 feet deep
and 8 to 10 feet wide. The

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desire to tunnel from there
as it gives us 150 feet of
mountain to go into above
us. We have a shaft on the
other side of this mountain
25 feet deep. We desired a
drift rather than continue
with a shaft. We also have
numerous pits and drifts.

I feel that within a short
time I will be able to give
you more or better information.
Please hold this until
I come to see you. I hope
to be down there shortly after
Thanksgiving.

We have a house 26 by 12.
Without a doubt we will
have to construct another
building closer to our
placer.

Thanks to Mr. Smith
and yourself for assisting
us as we may need it.

Sincerely,
C. W. Vanduflute.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Copper Belle Claims Date February 21, 1962
District Campo Bonito (Oracle) originally Old Hat Engineer Lewis A. Smith
District) Pinal Co.
Subject: Interview with C.W. Vanderflutte at Superior.

Mr. Vanderflutte reported that Olmstead of Inspiration Copper Company had made a preliminary examination of the Copper Belle Claims. Five samples were taken as follows:

- No. 1 - Andesite porphyry dike: 0.06 oz. gold, 0.04 per cent copper.
- No. 2 - Weathered granite: 0.04 oz. gold, 0.03 per cent copper.
- No. 3 - Quartz vein in granite: 0.04 oz. gold, 1.12 oz. silver, and 0.10 per cent copper.
- No. 4 - Second andesite porphyry dike (300 feet from No. 3): Tr. of gold, 0.12 oz. silver, 0.06 per cent copper.
- No. 5 - Dump to 20 feet of depth (1/4 mile east of No. 4) 0.04 oz. gold, and 0.04 per cent copper.

These were mainly taken from cap rock.

Mr. Vanderflutte took a sample from the draw below the sampled area and found good placer gold. Other samples from 3 of the 15 claims also showed fair placer ground. He proposes to patent the 3 claims showing good placer values.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Copper Belle Date October 19, 1961
District Oracle District, Pinal Co. Engineer Lewis A. Smith
Subject: Interview with C.W. Vanderflute at Superior conference.

Mr. Vanderflute had two bottles of concentrates from two separate veins he was sinking on. The first came from a stringer zone 6 feet wide which lies in a rock which appears to range from a biotite granite to quartz monzonite porphyry. The concentrate contained a bronzy pyrite coated by chalcocite and assayed 12 per cent copper. Some chalcopyrite was seen also. The second concentrate ran 17 per cent copper, and came from a disseminated zone 8 feet wide. The ore minerals were similar to those described in the first zone. Mr. Vanderflute said that he had sunk a 30 foot pit on the first (stringer) vein and a 25 foot shaft on the second. Neither zone had over a few feet of oxidized capping. The two zones are several hundred feet apart and the intervening material shows some disseminated sulphides. He plans to get Simmons (Miami Copper) and Bert Reed (Inspiration) to examine the mine. At a previous conference he had some oxidized capping from the same area which showed appreciable chalcocite or "relief" limonite in addition to strong pyrite indications. It was suggested that he send specimens of his rocks to the Arizona Bureau of Mines. (The specimen should be as fresh as possible.)

The material contains considerable biotite mica quartz and relatively little pink feldspars. The biotite is in books and book aggregates up to 1/4 inch in diameter. A dark gray mineral (ferro magnesian) which could be augite is also present in variable amounts. The sulphides in one specimen appeared to be replacing the biotite and ferro magnesian mineral.

He said that he had uncovered some very good gold placer ground last spring, but that heavy rains during August had covered most of it. The bedrock material is granite and the bottom layer of placer gravel (next to bedrock) contained as much as \$25 per yard. He stated that this was roughly based upon material he had washed and he is now trying to remove the material washed over the pay dirt.

The area has been more noted for tungsten in the past, especially scheelite, but reports on the tungsten deposits indicated copper also.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Vanderflute - Copper Belle

Date June 23, 1960

District Oracle Dist. (Compo Bonita Area), Pinal Co. Engineer Lewis A. Smith
(Santa Catalina Mtns.)

Subject: Interview with C. W. Vandeflute, 653 Brown St., Superior.

brother

Mr. Vanderflute stated that his ~~xxx~~-in-law and he were now constructing a road to the copper showing (previously reported in the report of October 22, 1959.) The heavy Fall rain obliterated portions of the previous road. He said they uncovered a dike which carries molybdenite, (the country rock is granite and diorite) the dike being acid in type. They are also uncovering the gold placer which covered by flood detritus. The bedrock ~~portion~~ runs several dollars per yard with rich pockets running as high as \$26.00 per yard. Once the gold placer is uncovered, they plan to do some work on the molybdenum and copper prospects. Assays of the copper showings varied from 1% to more than 3% in an open cut with a little gold. No sample was taken of the molybdenite showing and it was recommended that this be done.

* VANDERFLUTE PROPERTY

PINAL COUNTY

ALJ - 4-23-60 - WR - ³ Chas. W. Vanderflute, 653 Brown Street, Superior, Ariz.,
has claims near Oracle, Ariz. (Bonnie, Lona, & Franklin
Groups of claims, about 14 claims). Field engineer to go
out to property after June 1st.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine VANDERFLUTE PROPERTY Date October 22, 1959
District ORACLE DISTRICT, PINAL COUNTY Engineer LEWIS A. SMITH
Subject: Interview with C. W. Vanderflute, Box 681, Ray, Arizona

Owners: C. W. Vanderflute, Box 681, Ray, Arizona
Norma Vanderflute (his wife)
Kenneth L. Cole, (his brother-in-law)

Property: 15 unpatented claims (3 on public domain and 12 reserve) Examined by Forest Service and declared O.K.) The claims are separated and in 3 groups, side by side.

Location: The property adjoins the Golden Dream and the Hi Jinx (T.10S,R16E,S19 (about) near Camp Bonita).

Minerals: (a) Flower gold in placer.
(b) Chalcocite coated pyrite in narrow veins.

Work: (1) Tunnel under placer 25 feet long and 12 feet below surface.
(2) Tunnel 30 feet long in shear zone which carries copper and bismuth.
(3) Numerous assessment pits and cuts.

Geology: The area is composed of granite and diorite. The gold placer appears from Vanderflute's description to be a blanket of placer gravel 4 to 6 feet thick overlying decomposed granite. The granite contains disseminated pyrite. The 25 foot tunnel in decomposed granite showed no gold under the placer. Vanderflute has not assayed this material but panning was negative. The placer covers a small hill, next to a wash, which is about 100 yards long and 100 yards wide. The concentrates from panning, showed much flower gold, magnetite, and another dark mineral. It was recommended that the decomposed pyritic granite be assayed.

The copper showing is apparently a series of fracture veinlets filled with shattered pyrite coated by chalcocite. This is not sufficiently penetrated to determine the worth of the showing, but it warrants more exploration. The veinlets, according to Vanderflute, are roughly parallel and could indicate a shear. The veinlets range from 3/4 inch up to 4 inches in width and are spaced at intervals of about 3-4 feet. Disseminated sulphides occur in the intervals. It was suggested that he contact Axel Johnson and have him recommend a consultant to examine the copper showing and any capping which may be present. There may be promise, if the mineralized area is large enough.

It was recommended that, since Vanderflute has water, a sluice box would be the best way to concentrate the placer. A description of a sluice set-up was given to him.

A third area 150 feet from the hill shows gold and pyrite but this is not evaluated as yet. It would be possible that the placers could have been derived by weathering from the pyritic granite and that they are local in origin. However, it is suggested, by the apparent absence of gold in the pyritized granite in the tunnel, that the placers were formed from material transported from another part of the area. Assays of the pyritized granite would determine which hypothesis is correct.

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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Copper Belle

Mine PATTERSON CLAIMS Date October 18, 1957
District ORACLE DIST. , PINAL COUNTY Engineer Lewis A. Smith
Subject: Information from owner.

Location: These claims are located in the Camp Bonita Area, Oracle District, north side of Apache Peak, Santa Catalina Mountains, Pinal County in Sec. 19, T10S, R16E, three or four miles north-east of the Morning Star. Adjacent properties are the Southern Belle and the Cole Claims.

Claims: 6 patented and 2 unpatented claims.

Owners: ? J. Vanderflute, Box 681, Ray, Arizona 653 Brown St. - Superior
Mrs. A. Wright

Geology: Dacite and rhyolite, overlying granitic rocks (north part of property), are cut by a rhyolite porphyry dike. Veins and stringer lodes, with a quartz gangue, trend N-S and are nearly vertical. On three claims a 50' dike of diorite porphyry cuts the granite. The quartz veins cut the granite and diorite also. They carry values in gold and tungsten, the gold being associated with a limonitic gossan and pyrite. The pyrite has a thin coat of argentite, locally, and the ore carries some bismuth. A spectographic analysis also shows some nickel and a little magnetite in the dioritic dike, along with a little copper. The gold is in pockets or stringer lodes which run from a trace up to several hundred dollars per ton. The tungsten mineral is scheelite.

Vanderflute plans to drive a tunnel 250 feet below the outcrop to test the lodes in depth. Since the area is very steep Vanderflute feels that 200 feet of tunnel should intercept the lodes. This was suggested by a geophysical survey which indicated an anomaly would be struck within that distance. It was suggested that he have it drilled with flat diamond drill holes since that would be much cheaper.