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12/20/96

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ARGONAUT REEFS

ALTERNATE NAMES:

SANTACRU COUNTY MILS NUMBER: 32

LOCATION: TOWNSHIP 23 S RANGE 10 E SECTION 12 QUARTER N2
LATITUDE: N 31DEG 26MIN 45SEC LONGITUDE: W 111DEG 16MIN 31SEC
TOPO MAP NAME: ORO BLANCO - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
AU

BIBLIOGRAPHY:
ADMMR ARGONAUT REEFS FILE

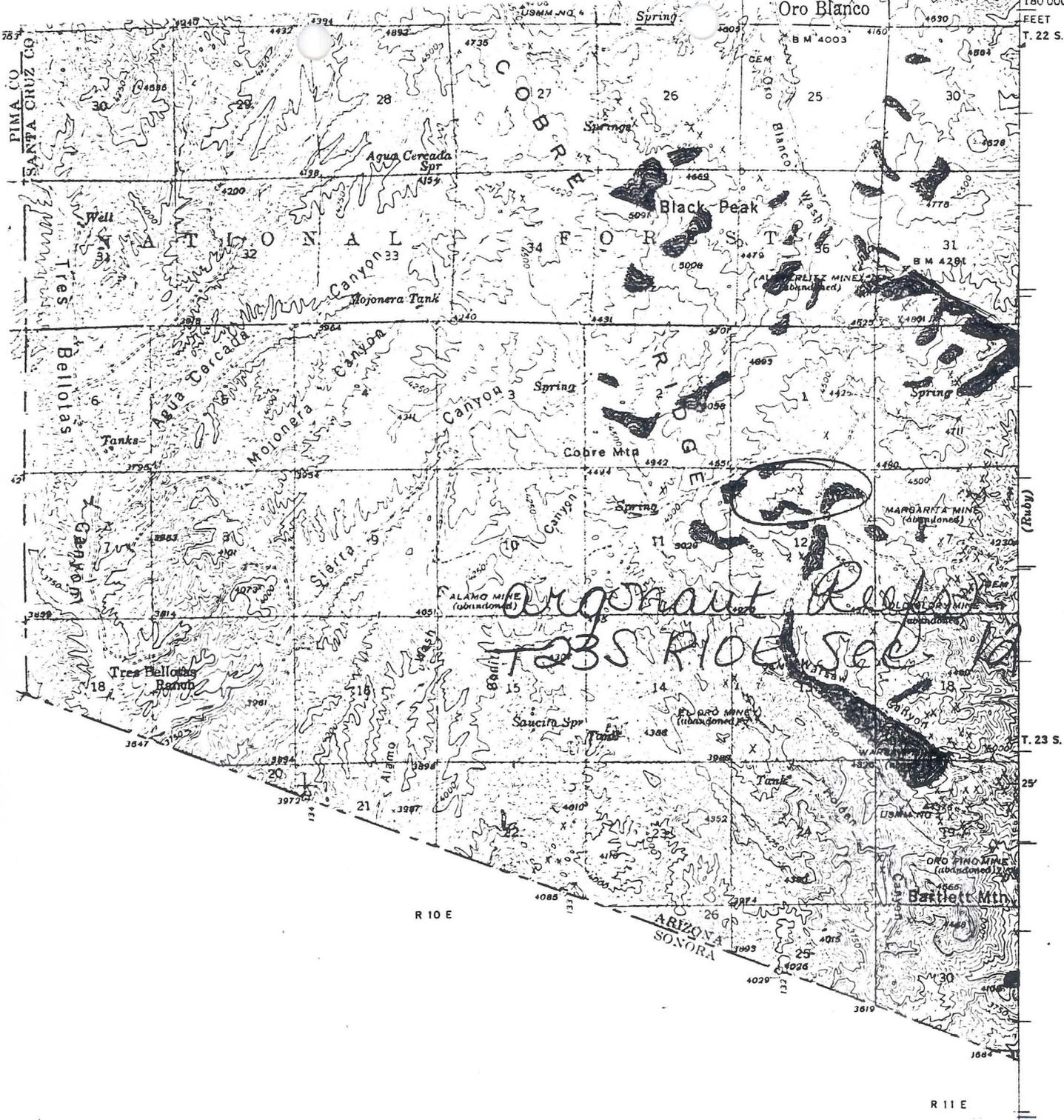
ARGONAUT REEFS

REFERENCES

SANTA CRUZ COUNTY
ORO BLANCO DIST.
T23S R10E Sec. 12

Santa Cruz County MILS Index #32

Oro Blanco 15' Topo (included in file)



Oro Blanco 15'

File

W. F. CHENOWETH

SURGEON FOR THE S. P. R. R. CO.

COUNTY PHYSICIAN AND COUNTY SUP'T. OF HEALTH

NOGALES, ARIZONA

J. Coufal
Department of Mineral Resources
Dear Mr. Coufal

No. 1000
2/9/40

Just received your card
for which I beg to thank you
Have written to G. A. Meadows
Los Angeles and if I get an answer
I will advise you

Yours very truly
W. F. Chenoweth

Argonaut Reefs

ROBERT R. POLLOK
MINING AND PETROLEUM ENGINEER
AND OPERATOR

Mina, Nevada.

July 6th, 1939.

Mr. Miles M. Carpenter.
Field Engineer,
Southern District,
Department of Mineral Resources,
Tucson, Arizona.

Sear Mr. Carpenter:-

Your letter of the 3rd is on hand.

The report was written at the time it was supposed that the values were in the brecciated igneous conglomerate fissures, and after the Bettwy reefs were sampled, it was found that the values were really in brecciated rhyolite formations, and that such values crept on contacts into the conglomerates, etc.

Therefore the report has to be revised, as noted in my paper.

I have just sampled a very big purported low grade deposit at Yerington, and the results of the assays of the samples sent Denver were very poor. I checked the same by a run of ~~A.~~ A.T. Oarg in J Dixon Crucibles and I got worse results, so I am very pessimistic about any big low grade deposit ever being found. But one can never tell.

The King Midas group consists of four claims, located on a mesa with backs of about 150 to 300 feet above valley floor. The rhyolitic formation is all fissured diagonally across the mesa and there are numerous stockwork veins, so it is probable that the whole mesa may be an actual low grade deposit. The Mesa is out 1000 feet wide by some 3000 feet, etc.

The Argonaut Reefs contain several fissured veins of the type of the King Midas deposit, brecciated rhyolitic fissures. But the width is not so great as at King Midas, that is the lode is as fissured, etc. Values will be found only in fissured or brecciated rhyolitic lodes. Where the rhyolite is massive, no values will be found.

If the report will be amended along aforementioned lines, I shall be glad to have you revamp my reports and use them as it is very likely that with a little development work, wide veins comparable with the big veins of Dos Amigos Mines, which reports are included in my report will be found.

Generally I found the country full of high grade stringers in such fissured veins, and that was repeated in the ground worked by Don Fairchild.

The Monarch ground is entirely different from the Louise ground, etc. ~~Relative~~ can be developed from the Tres Amigos Tunnel, that encroaches onto the Louise ground. This tunnel can be used as an exploratory starter, to the extent of continuing the tunnel and making sufficient cross cuts.

The Argonaut Reefs of which there are six or eight claims comprise Barrett Peak. There is a natural "amphitheater" on the ^{west} side of this peak, and there are numerous outcrops of fissured and brecciated rhyolitic lodes that should be explored. On the East side, I found a very wide dike across the mountain about 100 feet wide, and first samples assayed pretty well. There should be driven a tunnel at this point or a trench dug across the dike, etc.

I do not make the claim that either King Midas or Argonaut Reefs are entirely disseminated in values, but it is certain that great widths may be discovered which would justify power shovelling operations on a large scale.

I am putting data on enclosed sheets entirely from memory, and if I had the map here, I would be able to add more data, or information.

I don't know at present what recent assessment work on the Argonaut Reefs was. I expect to be in Arizona any time, and I shall certainly take more samples, taking about ten pounds to each foot, and then quartering the same down, after which I take 3 A.T. or 5 A.T. Charges. also sending duplicates for checks to Denver.

I found assays of Hugo Miller and Mark Wanless very reliable.

Ores of all mines are never the same and always require varying fluxes and quantities of charges depending on contents, etc.

Thanking you for the interest shown, and glad to have been of help to Dr. Chenoweth, I am yours sincerely,

Robert R. Dillon

MA-8 ARGONAUT REEFS

Copy of Mine Owners Report covering property listed with
the Department of Mineral Resources has been furnished to -
George A. Macready, 6720 So. Victoria Ave., Los Angeles, Cal.

DEPARTMENT OF MINERAL RESOURCES
J. S. Coupal, Director

Dr. W.F. Chenoweth,
Mr. Robert R. Pollock,
Nogales, Arizona.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date

July 6, 1937

Mine

Argonaut Reefs

District

Oro Blanco Santa Cruz

Location

Nogales, Arizona

Former name

Owner

W. F. Chenoweth and Robert R. Pollock

Address

Nogales, Arizona

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals

Gold

Men Employed

Production Rate

Mill. Tons & Cap.

ARGONAUT REEFS

Power: Amt. & Type

Au

Operations: Present

Santa Cruz

12 - 1

T 23 S, R 11 E

W. F. Chenoweth, (deceased)

'39

Operations Planned

Exploration tunnel at site of amphitheater on northside west

Number Claims, Title, etc.

Six (may be eight). Public Domain.

Description: Topog. & Geog.

On flanks of Mt. Barrett, and along its crest. This peak is a conspicuous landmark of the district, and second to Montana Peak as a dominating feature of the country.

Mine Workings: Amt. & Condition

(over)

Geology & Mineralization

Rhyolitic formation with several zones of fissured and brecciated rock, all rhyolitic. The lodes vary in width from six feet to as much as 100 or 150 feet. Said veins are traced for 4500 feet. Occasional cross veins are found with numerous faults. In such fissures the mineralization is heavy and carries at times sulphides. (observed

Ore: Positive & Probable, ~~Out Dipper Tailings~~

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Accessible by road through California Gulch on south side or east side

Water Supply

California Gulch two miles away.

Brief History

Remnants of several arrastras were found; old walls or road embankments also found. The old workings were never found; probably covered by cloudburst landslides.

Special Problems, Reports Filed

Remarks

Trenches to be dug across said outcrops and tunnels then driven and cross cuts taken and then drilling undertaken to determine quantity of ore. Ore will be low grade with occasional shoots of good ore

If property for sale: Price, terms and address to negotiate.

Signed.....
Robert A. Pollock

Use additional sheets if necessary.