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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: COPPER DYKE PATENTED MS 4003

ALTERNATE NAMES:

CUENO
COPPER DIKE

YAVAPAI COUNTY MILS NUMBER: 1085A

LOCATION: TOWNSHIP 12.5N RANGE 1 W SECTION 27 QUARTER NW
LATITUDE: N 34DEG 26MIN 50SEC LONGITUDE: W 112DEG 21MIN 30SEC
TOPO MAP NAME: POLAND JUNCTION - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE
COPPER SULFIDE
SILVER
GOLD

BIBLIOGRAPHY:

BLM MINING DISTRICT SHEET 224
ADMMR COPPER DYKE MINE FILE
LINDGREN, W. ORE DEPTS JEROME & BRADSHAW MTNS
QUADS USGS BULL 782 1926 P 135
COE AND VAN LOO INFORAMTION
YAVAPAI MAGAZINE AUG. 1926 P 18 SHARLOT HALL
MUESEUM PRESCOTT, AZ
ADMMR "U" FILE

110-37

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date May 24, 1940

1. Mine Copper Dyke
 2. Mining District & County Big Bug
 3. Former name None
 5. Owner Block Estate mines, H. H. Block, Agt.
 7. Operator None
 9. President
 11. Mine Supt.
 13. Principal Metals Copper, Gold, Lead
 15. Production Rate
 17. Power: Amt. & Type About 1 mile from power line
 18. Operations: Present None
 19. Operations Planned Indefinite
 20. Number Claims, Title, etc. 2 patented claims
 21. Description: Topography & Geography Very rough, steep, rocky, brushy, some timber
 22. Mine Workings: Amt. & Condition About 300 feet, partly caved, but can be examined.
4. Location About 28 miles by road from Prescott.
6. Address (Owner) 507 Hassayampa Drive
Prescott, Arizona
8. Address (Operator)
10. Gen. Mgr.
12. Mill Supt.
14. Men Employed None
16. Mill: Type & Cap.

23. Geology & Mineralization Apparently a contact metamorphic copper deposit near granite contact. All rock in vicinity carry some copper, much of satisfactory mill grade. A side issue is a large vein carrying high grade lead ore.
24. Ore: Positive & Probable, Ore Dumps, Tailings Undeveloped, but all workings and outcrops show copper, some of which is high grade. Gold in sufficient amount to be valuable in concentrates.
- 24-A Vein Width, Length, Value, etc.
25. Mine, Mill Equipment & Flow Sheet None
26. Road Conditions, Route About 22 miles from Prescott to Poland Junction on main gravel highway. Thence about 6 miles on fair dirt road.
27. Water Supply Big Bug Creek nearby
28. Brief History Only exploration work and no shipments.
29. Special Problems, Reports Filed Owners report can be checked on ground. Rather extensive mineralization not thoroughly explored. Ore not confined to veins, although they are also present. Would require development and installation of mill.
30. Remarks After development, might be worked in conjunction with First Home Mine nearby.
31. If property for sale: Price, terms and address to negotiate. Property for sale on fair terms to responsible parties.
32. Signed.....Harold H. Block.....
33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

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Date May 24, 1940

Mine Copper Dyke

District Big Bug

Location About 28 miles by road from Prescott.

Former name None

Owner Block Estate mines, H. H. Block
Agt.

Address 507 Massayampa Drive
Prescott, Arizona

Operator None

Address --

President None

Gen. Mgr. None

Mine Supt. None

Mill Supt. None

Principal Metals Copper, gold, lead

Men Employed None

Production Rate None

Mill: Type & Cap. None

Power: Amt. & Type About 1 mile from power line

Operations: Present none

Operations Planned Indefinite

Number Claims, Title, etc. 2 patented claims

Description: Topog. & Geog. very rough, steep, rocky, brushy, some timber.

Mine Workings: Amt. & Condition About 300 feet, partly caved, but can be examined.

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May 27, 1957

COPPER DYKE

YAVAPAI COUNTY

This property idle.

MARK GEMMILL

OWNER'S

DESCRIPTION OF COPPER DYKE GROUP OF MINES

LOCATION:

The COPPER DYKE GROUP is situated in Big Bug Mining District fifteen miles South East from Prescott, Ariz. on the Poland Branch of the Santa Fee, Prescott & Phoenix R.R.

NUMBER OF CLAIMS:

This group consists of four mining claims, one of which is a side claim and three being on the main Copper Dyke Ledge.

FACILITIES FOR

MINING:

The main workings are within 3000 feet of Block's Siding on the Poland Branch of the Santa Fee Prescott & Phoenix, R.R. Big Bug Creek is within 3.500 feet of the workings where there is water for milling purposes all the year. There are heavy pine forests within two miles of the property which would furnish timber for mining and domestic purposes for many years, how-ever sayed timber can be had in Prescott at reasonable prices which would be as cheap as to get them out of the woods, coal for fuel can also be laid down at Block's Siding at very reasonable prices.

65 cents per ton is the cost of freight on ore of a \$ 25.00 grade from the siding to the Humboldt Smelter, at the present time it will cost \$ 1.00

per ton to pack the ore from the mine to the siding, but a wagon road could be constructed for a few hundred dollars which would lower the cost for putting the ore on cars to about 50¢ per ton.

25 feet , a shaft has been sunk at the mouth of this tunnel to a depth of 30 feet .

About 100 feet above the main tunnel a tunnel was driven into same dyke a distance of 30 feet and a winze sunk to a depth of 18 feet .

FORMATION AND

NATURE OF ORE :

The formation is a rhyolitic porphyry dyke with large fissures thrown up through it . The fissure filling is soft ground up quartz and porphyry , it is in these fissures where the ore occurs , principally , however there is some ore in small bunches and streaks throughout the entire rhyolitic porphyry dyke , the dyke being from 150 to 200 feet in width . This property is what engineers call a disseminated porphyry copper proposition. The nature of the ore which occurs in small bunches and streaks is native copper , copper chalcopryite , copper chalcocite and azurite .

VALUE OF ORE:

The ore assays from two to ten percent copper also small values in gold & silver .

CONCLUSION:

This property is a good development proposition and with a reasonable amount of development will make something larger than the ordinary in the way of a copper mine . Some ore is encountered continuously in doing development work but not sufficient at the present depth to counted as a producing mine , however large boddies of good copper ore may be encountered at any time There is a very fair tunnel site on the property , but in the writers estimation good results could be obtained

the fact that this property is convenient to rail road and
smelter and to mining supplies makes it very desirable for
a mining proposition , it makes it possible for a very low
grade of ore to be worked to a profit, ore running as low
as 4 percent copper could be considered a pay grade to be
shipped in the crude without milling . The ground breakswell
at same time it is hard enough to stand with out much timbering.

Prescott, Ariz . July 19th . 1916

Owner .