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PRELIMINARY RECONNAISSANCE EXAMINATION

Date: November 25, 1959

By: C. D. Fair

Name of Property:

State: Arizona County: Pima

Location: Quijotoa Iron Dike

District: Quijotoa

Old townsite of Logan (Quijotoa) Quijotoa Mts.

Date of this Report: Nov. 24, 1959

By:

Map & Aerial Photo Ref.:

AMS-55AM81, Roll 19, Photos 816-817

Extent of Property:

3 claims

Ownership (Name & Address):

Leased or Optioned to (Name & Address):

one claim--G. A. Ballam, Sells, Ariz.

two claims--(A Denver, Colo. Co. or group)

none

Facilities:

(a) Accessibilities (Roads, Trails,

Graded road, 2 1/2 mi. to Ballam's

(b) Air Fields: claim. Leads to Sells-Ajo hwy.

no

(c) Power:

being installed--(R.E.A.)

(d) Telephone:

no

(e) Housing:

2 houses

(f) Water: yes

(g) Labor: yes--Papagos

(h) Climate:

S. Arizona

(i) Supply Source:

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

Magnetite-Goethite-Hematite-Epidote vein emplaced in Qtz monzonite. Attitude: Approx. vert., strike-N 40 W, Est. width of zone, 25-150'. Width of any individual magnetite pod, est. up to 25'. The different Fe minerals are intermixed through the vein, with segregations of varying purity.

Mine Workings: (~~For description of methods used, map to be attached if available~~)

One adit, at least 100' deep (I had no light.) Apparently in epidotized Qtz. Mon.

Retired Ariz. Dept. Min. Res. Mining Engr.

(Data from G. A. Ballam) and metallurgist.

Production Data: (Past, present and possible future)

No production, no drilling done. Examined by several companies--most of the major ones on west coast--including Kaiser & U. S. Steel, Geophysical Survey (magnetometer?) by Hewitt co. (?) of Utah. Hewitt made estimates of tonnage and grade. Ballam estimates 30% - 40% ~~sampling and analysis (By whom? Results)~~ 60% (maybe) of magnetite, but I don't know if these were Hewitt's figures. Most of the companies wanted an open pit property, were not interested in this now but thought it could be mined if there was a local (i.e., Ariz.) demand (smelter)

Mining Equipment on Property:

none

Mill Equipment on Property:

none

Misc. Equipment on Property:

none

Camp Facilities:

none

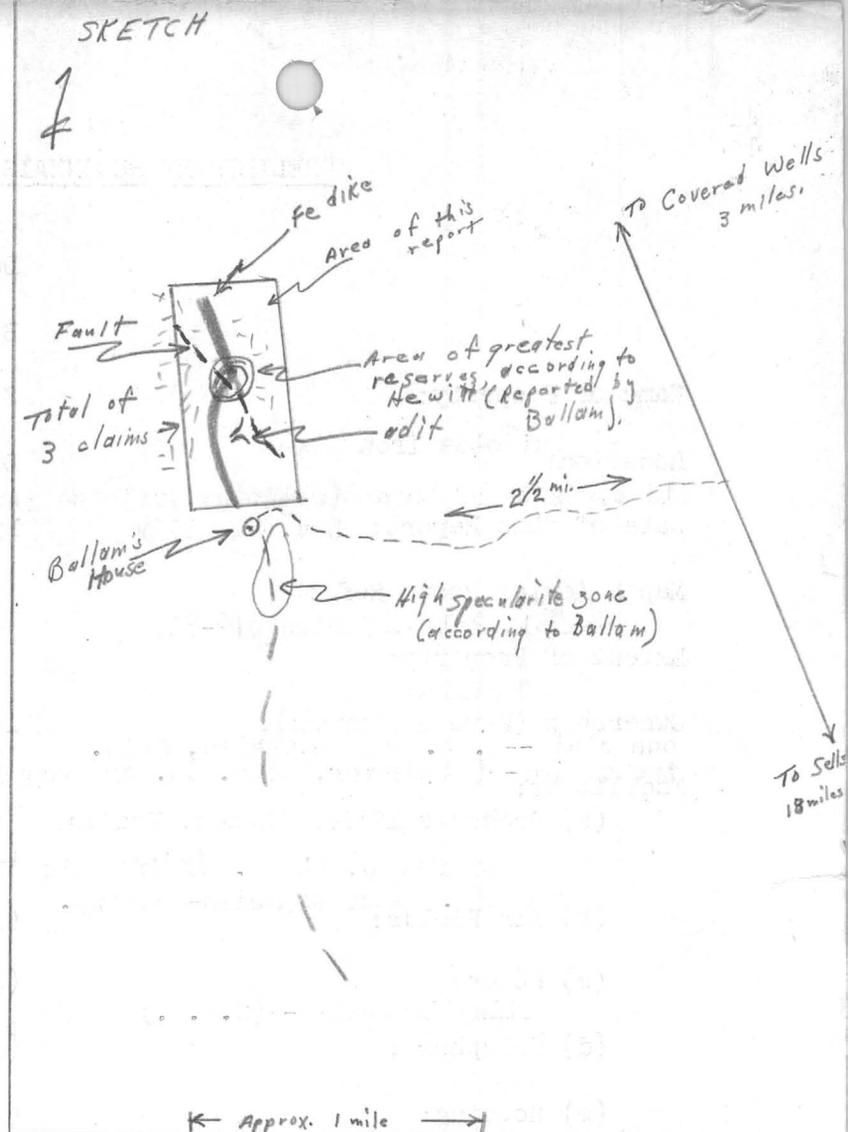
Ore Reserve Estimates:

Not possible for me to make.

Ballam estimates 80,000 tons to area under location--500,000 tons total

Recommendations and Conclusions:

Might be worth a hand mag survey



References: (Bibliography, Maps, Former Workers or Engineers)

G. W. Ballam---Sells, Arizona

Don Hammer----- Superior, Arizona

Hewitt Geophysics (Utah)

Columbia Steel (Calif, Subsid. of U.S.Steel)

PRELIMINARY RECONNAISSANCE EXAMINATION

Date: NOVEMBER 25, 1959

By: C. L. FAIR

Name of Property:

QUIJOTOA IRON DIKE

State: ARIZONA

County: PIMA

Location: OLD TOWNSITE OF LOGAN (QUIJOTOA) QUIJOTOA MTS.

District: QUIJOTOA

Date of this Report:

NOV. 24, 1959

By:

Map & Aerial Photo Ref.:

AMS - 55 AM 81, ROLL 9, PHOTOS 816-817

Extent of Property:

3 CLAIMS

Ownership (Name & Address):

ONE CLAIM - G. A. BALLAM, SELLS, ARIZ.
TWO CLAIMS - CA DENVER, COLO. COMPANY OR GROUP

Leased or Optioned to (Name & Address):

NONE

Facilities:

(a) Accessibilities (Roads, Trails, etc.):

GRADED ROAD, 2 1/2 MI. TO BALLAM'S CLAIM. LEADS TO PAVED SELLS-AJO HY.

(f) Water: YES

(b) Air Fields:

NO

(g) Labor: YES - PAPAGOS

(c) Power:

IN PROCESS OF INSTALLATION (R.E.A.)

(h) Climate:

S. ARIZ.

(d) Telephone:

NO

(i) Supply Source:

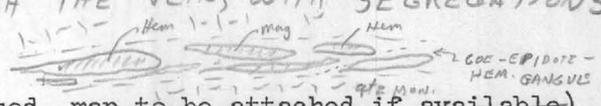
(e) Housing:

2 HOUSES

(j) Miscellaneous:

Type of Deposit: (Describe briefly under following headings; Structure, Lithology, Mineralogy, Stratigraphic conditions, Physiographic conditions, Reserves, Possible Extensions, Geology, Geophysics & Drilling):

MAGNETITE-GOETHITE-HEMATITE-EPIDOTE VEIN EMPLACED IN QTZ MONZONITE. ATTITUDE: APPROX VERTICAL, STRIKE = N 40 W. EST. WIDTH OF ZONE, 25-150'. WIDTH OF ANY INDIVIDUAL MAGNETITE POD, EST. UP TO 2'. THE DIFFERENT FE MINERALS ARE INTERMIXED THROUGH THE VEIN, WITH SEGREGATIONS OF VARYING PURITY: i.e. -> (Plan view) (diagrammatic)



Mine Workings: (Brief description of methods used, map to be attached if available)

ONE ADIT, AT LEAST 100' DEEP (I HAD NO LIGHT). APPARENTLY IN EPIDOTIZED QTZ. MIN.

NO

(DATA FROM G. A. BALLAM)

RETIRED ARIZ. DEPT. MIN. RES. MINING ENGR & METALLURGIST.

Production Data: (Past, present and possible future) NO PRODUCTION, NO DRILLING DONE. EXAMINED BY SEVERAL COMPANIES - MOST OF THE MAJOR ONES ON WEST COAST - INCLUDING KAISER & U.S. STEEL. GEOPHYSICAL SURVEY (MAGNETOMETER?) BY HEWITT CO. (?) OF UTAH. HEWITT MADE ESTIMATES

Sampling and Analysis: (By whom - Results) OF TONNAGE & GRADE. BALLAM ESTIMATES 30% 40% MAGNETITE, BUT I DON'T KNOW IF THESE WERE HEWITT'S FIGURES. MOST OF THE COMPANIES WANTED AN OPEN PIT PROPERTY, WERE NOT INTERESTED IN THIS NOW BUT THOUGHT IT COULD BE MINED IF THERE WAS A LOCAL (i.e. ARIZ.) DEMAND (SMELTER)

Mining Equipment on Property:

NONE

Mill Equipment on Property:

NONE

Misc. Equipment on Property:

NONE

Camp Facilities:

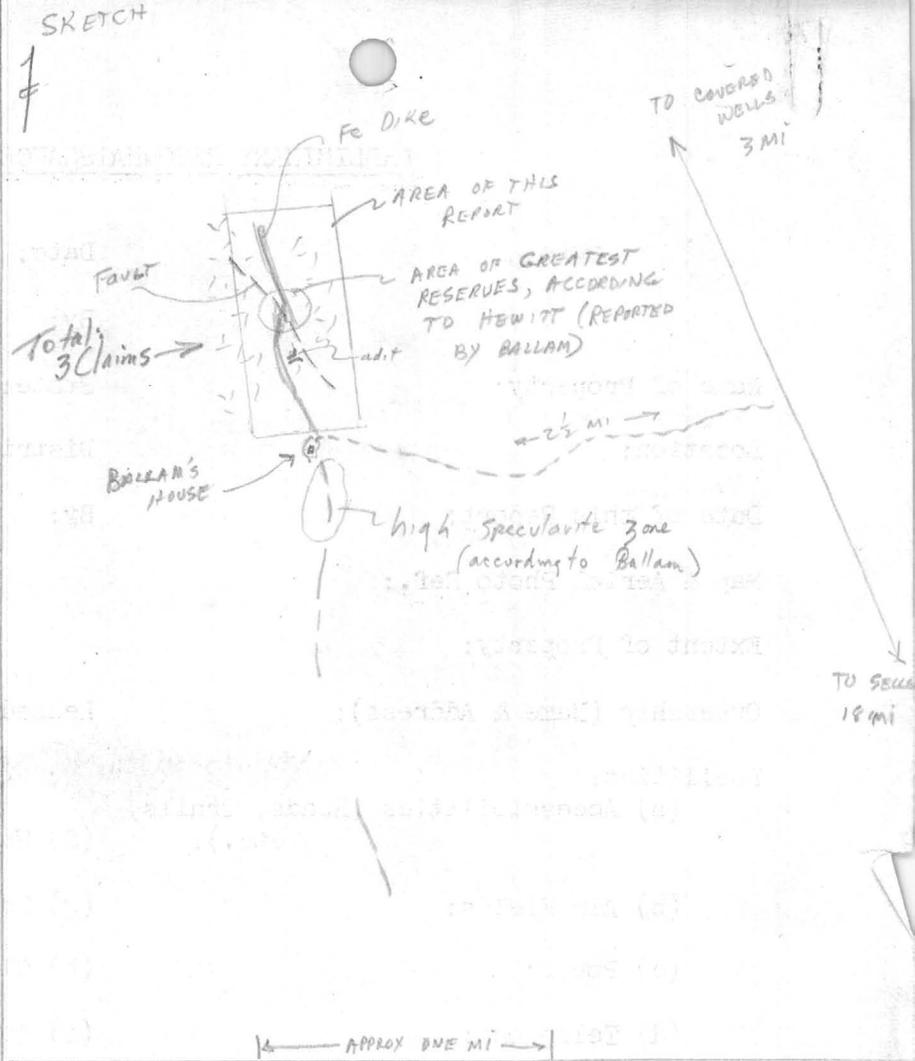
NONE

Ore Reserve Estimates:
NOT POSSIBLE FOR ME TO MAKE.

BALLAM ESTIMATES 80,000 TONS
TO AREA UNDER LOCATION -
500,000 TONS TOTAL

Recommendations and Conclusions:

MIGHT BE WORTH A
HAND MAG SURVEY.



References: (Bibliography, Maps, Former Workers or Engineers)

G.W. BALLAM - SELLS, ARIZ.

DON HAMMER - SUPERIOR, ARIZ.

HEWITT GEOPHYSICS (UTAH)

COLUMBIA^(?) STEEL (CALIF. SUBSID. OF U.S. STEEL)