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05/05/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: ADELE M

ALTERNATE NAMES:

MALIKITT GROUP
H.E.M.

LA PAZ COUNTY MILS NUMBER: 185

LOCATION: TOWNSHIP 7 N RANGE 17 W SECTION 18 QUARTER NW
LATITUDE: N 33DEG 57MIN 17SEC LONGITUDE: W 114DEG 04MIN 34SEC
TOPO MAP NAME: BOUSE - 15 MIN

CURRENT STATUS: PAST PRODUCER

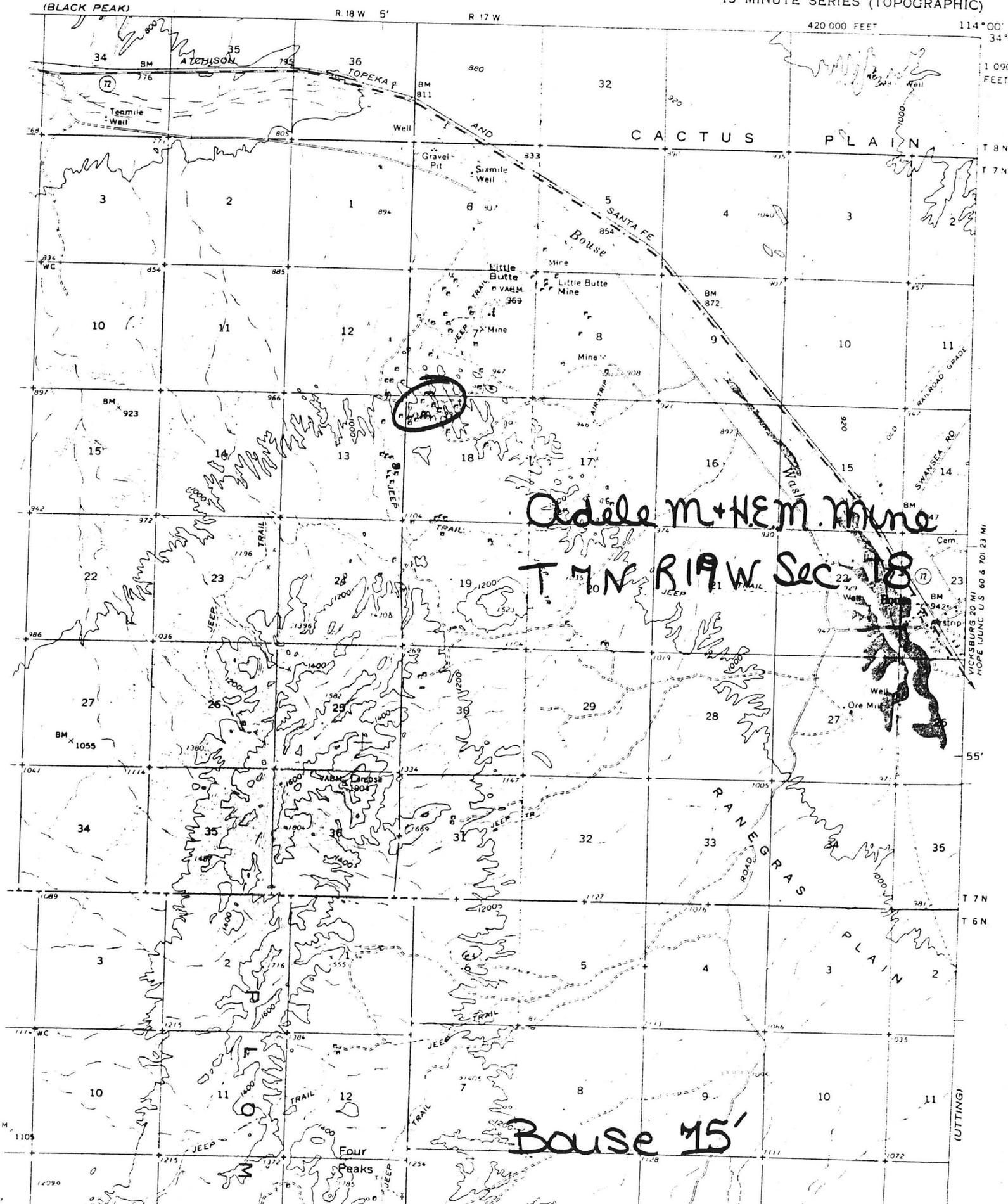
COMMODITY:

COPPER
GOLD LODE
SILVER

BIBLIOGRAPHY:

AZBM FILE DATA
ADMMR ADELE M FILE

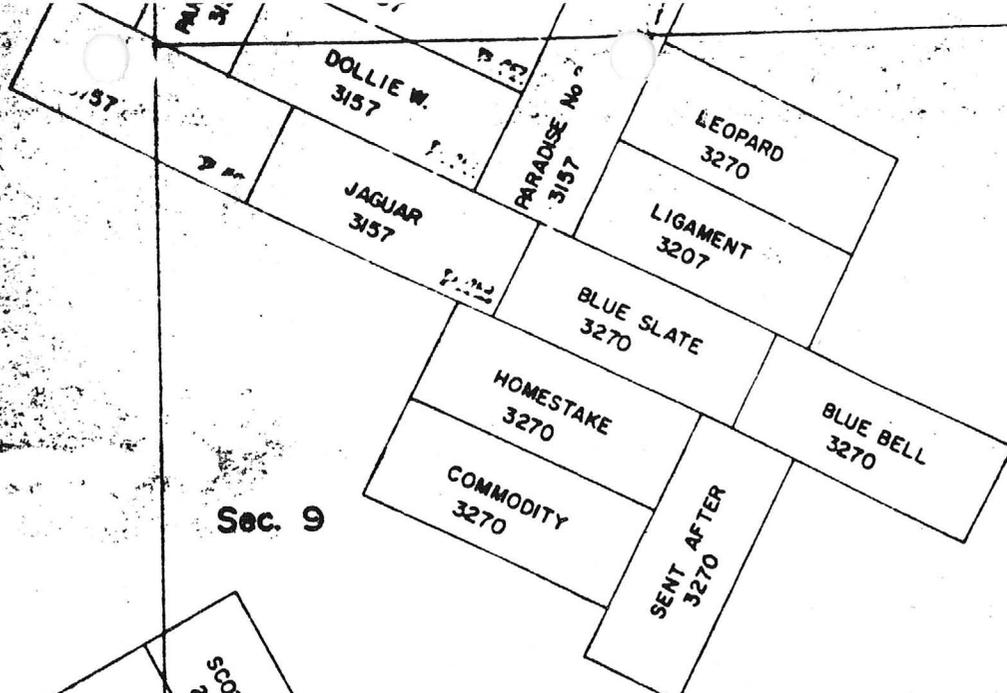
BOUSE QUADRANGLE
ARIZONA - YUMA CO.
15 MINUTE SERIES (TOPOGRAPHIC)



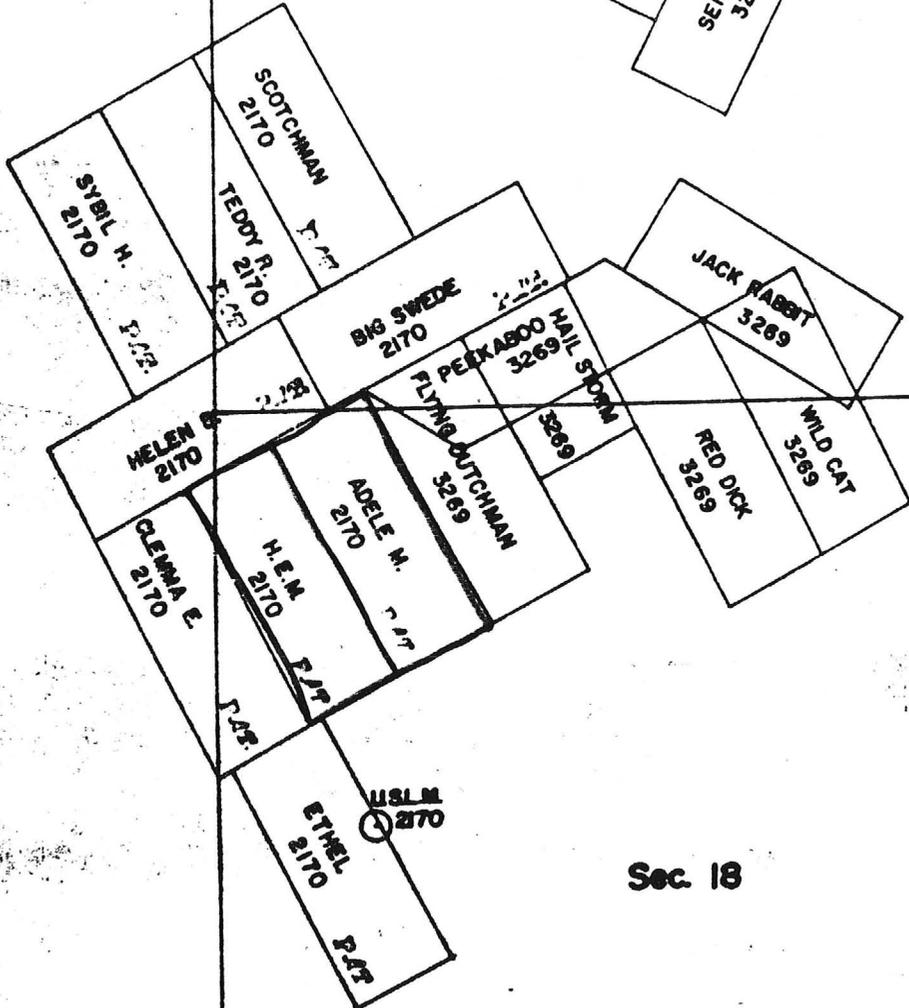
Adeline + H.E.M. Mine
T. 7 N. R. 19 W. Sec. 18

Bouse 15'

(UTTING)



Sec. 9



Sec. 18

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Adele M. & H. E. M. Mine

Date Sept. 20, 1954

District Plomosa - Yuma County

Engineer Mark Gemmill

Subject: Present Status

Excepting for small leasing operations this property has been idle most of the time for some years past years. The property is not without possibilities but considerable investigation and sampling should be done to determine whether or not it would warrant further development

ADELE H & HEM MINE

Cu, Au

Yuma

14 - 1 T 7 N, R 17 W

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

W. J. N.
2322 h.
Photocopy

Mine Adele M. and H.E.M. Mine
District Plomosa District, Yuma County
Subject: Report

Date June 14, 1945
Engineer A. Macfarlane

Location: These 2 patented mining claims are situated about 6 miles westerly of the village and rail station of Bouse, Arizona, and are recorded in book of patented claims No. 42 at page 112 in the town of Yuma, County Seat of said county.

History: History of mining in this district of Plomosa is coincident with the development of the territory and state of Arizona. A generally erratic output of gold ores from this Bouse area has been maintained since the inhabitation of the district by white men.

Particularly the first 20 years of this century was a period when the mineral deposits of Plomosa District received the expenditure of substantial amounts of capital in mine explorations. The shaft work was carried down to the 500 foot level more or less and lateral developments extended from this main shaft.

Evidently no large body of milling or smelter grade of ore was found suitable to the metallurgy of the time. In this belt there are few remnants of mills and the known production of direct smelting ores was won from several small mines of the locality. However, no shipping records are now available. At the foot of a large dump of the H.E.M. shaft there is found the remnant of an ore bin and plank shoveling floor. A road terminated at this old bin - evidences of ore shipments from this property during that period of 1907 to 1914 when the Woods Bros. of Denver, Colorado, and others owned and operated the Adele M. and H.E.M. claims.

Neighboring Mines: Contiguous to the Adele M. on the northeast side line is located the unpatented mine, the "Flying Dutchman". The writer examined this mine during 1936 and found a stope 75' long about 15' wide and extending downward for over 100' below cropping fully 750 tons ore carrying from .75 to 1.5 ozs. of gold had been shipped from this stope. Deeper explorations on this vein only found a gold content of .1 to .2 of an oz. in a vein of 4' to 6' in width.

About 2-1/2 miles northerly from the Adele M. and H.E.M. is found the "Little Butte" mine which is now equipped with mining plant and buildings. The Little Butte has produced a commercial tonnage of gold and gold-copper ores at several operating periods.

In addition to these stated properties many others of the vicinity have yielded an unknown amount of gold and small tonnages of copper, most of this sold to distant ore buying agencies.

Mineral Occurrence: Mineral occurrence of the Adele M. and H.E.M. claims consists of first a fairly well defined vein opened by 2 cuts 40' to 50' in length each, and mined to a depth of 8' to 12', this vein named Adele, sample 5 Au 0.04, Cu 8.5%; No. 6 Au 0.04, Cu 4.80%.

Approximately 250' southwesterly from the Adele vein is a bold wide gossanized ledge striking from its north cut on a course of S 35° E. This nearly parallels the Adele vein.

About 50 feet on the north side of this ledge a well timbered, 2-compartment vertical shaft was sunk to a depth of 400' or more. The remnants of hoist and compressor plant still on the ground is evidence that this shaft was adequately equipped and that much underground development was made.

There are more than 10,000 tons of material on the shaft dump which in part contains low copper-gold values. Two general dump samples representing 2,500 tons or more

No. 2 assayed Au 0.02	Cu 1.25%
No. 3 assayed Au 0.02	Cu 2.05%

Sample No. 4 from an iron stained andesite being a large portion of the main shaft dump shows only traces of gold-copper.

On top of the big dump near the old ore bin 3 tons copper ore likely a remnant of ores shipped from the main shaft assay sample No. 1 Au 0.06 oz. and 9.01% copper. I did not attempt to go down shaft to study the ore occurrence which may be visible within the main underground workings.

Geology: Geology of the Bouse mining belt is complex. Both walls of the Adele M. open cuts appear to be iron stained rhyolite within a faulted granite which has intruded older sedimentary formations, limestones and shales, probably of Cretaceous age.

As few workings have attained depth, it leaves any theory of underlying sandstones terminating the mineralization within a few hundred feet of the surface yet unproven.

The vicinity contains ledges and surface deposits of hematite which has given a general redish color to the adjoining area. See bulletin 137 of Arizona Bureau of Mines.

Proposed Development: As the Adele M. vein per samples 5 and 6 has visible and commercial grade of ore within the 2 cropping cuts, I recommend that, first, a shaft be sunk 50' near the northwest end of said cut, thence drifting southeast on this vein would in 300' of drift, put about 100' of this vein on back of the heading.

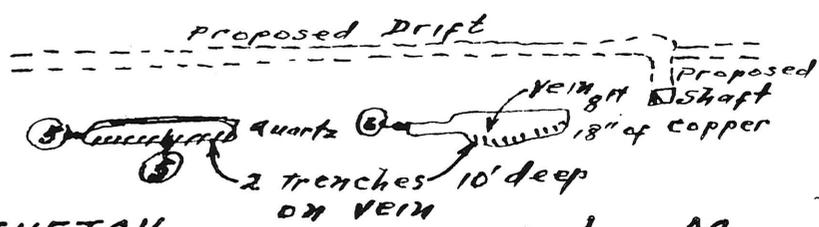
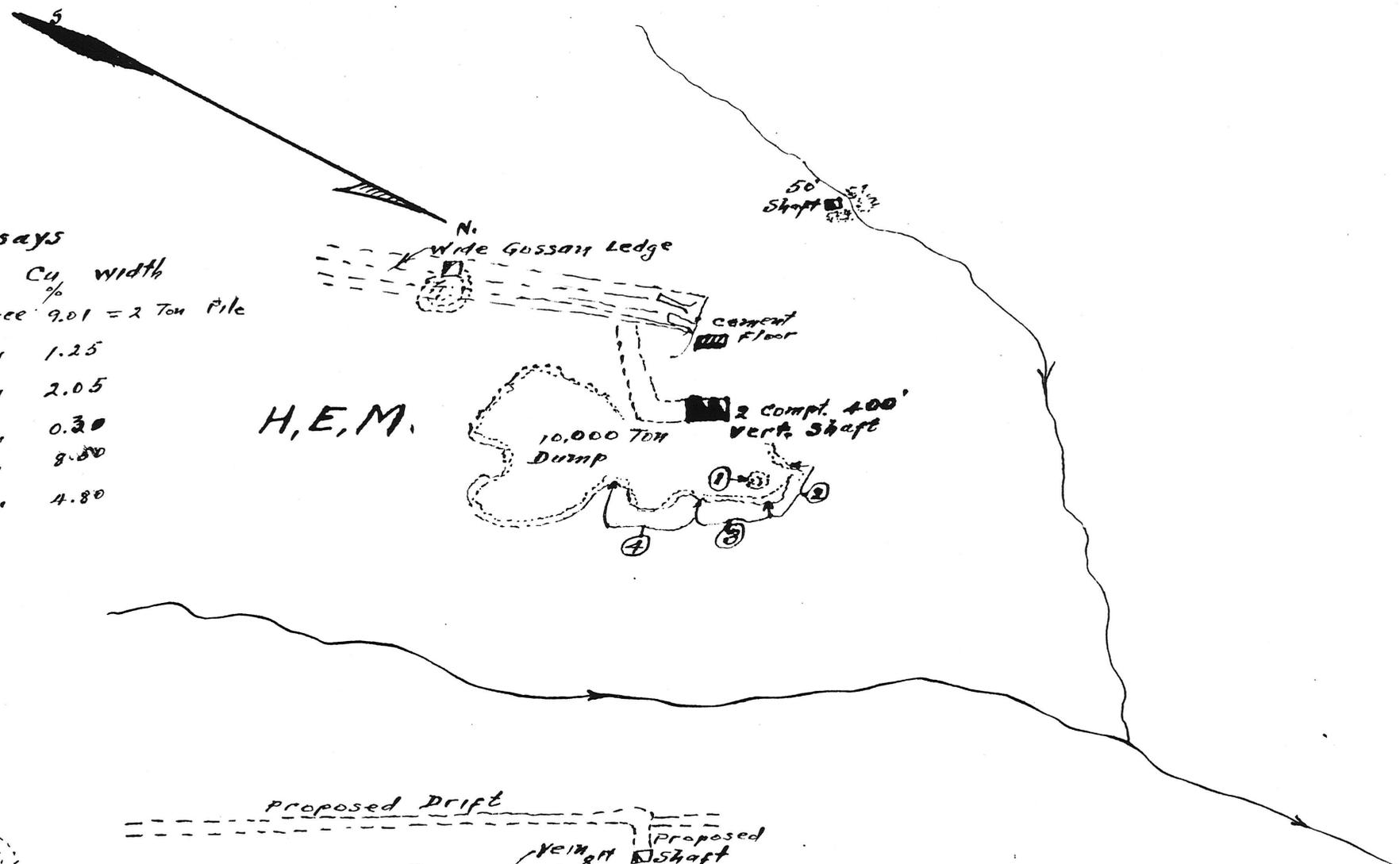
The average width of the gold-copper ores in the cuts is about 18", while the full width of the vein seems to be from 5' to 8' composed of a firm ferruginous quartz.

If the above new development opens commercial ores, further explorations may then be planned.

Assays

Nos	Au ozs.	Hg	Cu %	width
1	0.06	Trace	9.01	= 2 Ton Pile
2	0.02	"	1.25	
3	0.02	"	2.05	
4	0.01	"	0.30	
5	0.04	"	9.50	
6	0.04	"	4.80	

H.E.M.



PLAN SKETCH

Adele M.

Adele M. & H.E.M. Mine

W.G. Hockett OWNER

Phoenix, Arizona June 14/45

Field notes Dept. Of Mineral Resources

Approx. Scale 1" to 100 FT

A. Maef, Engr.

Flying Dutchman Common Side Line

Nes	Ag	Hg	Cu	Width
	0.25		%	
1	0.06	Trace	9.01	= 2 Ton pile
2	0.02	"	1.25	
3	0.02	"	2.05	
4	0.01	"	0.30	
5	0.04	"	8.80	
6	0.04	"	4.80	

Assays

Adole M. & H.E.M. Mine
W.G. Hockett Owner
Phoenix, Arizona
Dept of Mineral Resources
Approx. Scale 1/4" to 100'
A. Macg. Eng'r

PLAN SKETCH

Adole M.
H.E.M.
Flying Dutchman Common Side Line

