



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BROWN CRAWFORD

ALTERNATE NAMES:
EZRA BROWN

YAVAPAI COUNTY MILS NUMBER: 782A

LOCATION: TOWNSHIP 10 N RANGE 1 E SECTION 1 QUARTER E2
LATITUDE: N 34DEG 14MIN 00SEC LONGITUDE: W 112DEG 12MIN 05SEC
TOPO MAP NAME: BUMBLE BEE - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:
COPPER OXIDE

BIBLIOGRAPHY:
ADMMR BROWN CRAWFORD FILE

SHATTUCK DENN MINING CORPORATION

and

SUBSIDIARIES

Humboldt

Office

Date..... December 13, 1965

TO: C. R. Sundeen

SUBJECT: BROWN-CRAWFORD CLAIMS

FROM: J. Olaf Sund

TYPE: Copper ?

TERMS REQUESTED: Not discussed.

LOCATION:

A group of 87 claims situated between Cleator and Bumble Bee in sections 18 and 19 of T-10-N and R-2-E.

GEOLOGY:

Reference is made to Gilmour's report on "Ezra Brown Prospect" November 18, 1964 and the writer's report on the Stephens property, October 27, 1965.

This large claim group is underlain by schistose meta-volcanics that are rusty weathered and which have some granitic masses intruding along the eastern part of the property.

A large pit has been dug into a showing in the granitic rock. (note sketch). The rock is a well oxidized and generally sheared granitic type. The shearing is oriented approximately north and south and dips nearly vertical. Locally the shearing intensifies to a distinct zone that strikes north 10 degrees west and dips at 80 degrees west. This particular zone is some 5 feet wide and contains considerable green and blue copper oxides as well as some carbonate alteration. Another 12 inch wide shear zone occurs 5 feet east of the above and is characterized by much rust but contains no copper mineralization.

The narrow rusty shear zone has some continuity as it continues both north and south across the pit whereas the wider zone with the copper stain is restricted to south from the pit only.

ASSAYS:

Samples collected assayed as follows:

<u>Sample</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>	<u>Cu</u>
11742	Grab-main shear zone w/Malachite	Tr	0.3	1.66
11743	12" rusty shear zone (south)	Nil	Nil	0.09
11744	12" rusty shear zone (north)	Nil	Nil	0.13
11745	Grab main shear (massive rx)	Nil	Nil	0.10

CONCLUSION & RECOMMENDATIONS:

The mineralization is restricted to a shear zone in a granitic intrusive mass. Because of the effects of weathering and oxidation, it is impossible to know how well the zone is mineralized with the primary sulphide at depth. However, certain conclusions may be considered from a surface study based principally on the structural setting.

1. The sulphides are in an intrusive but definitely not of a disseminated porphyry type, therefore, probably of limited quantity.
2. The sulphides are in a shear zone but not of a type that might be expected to have much continuity. This is borne out by the fact that the zone is "cut-off" for no apparent reason in the above described pit.

Thus, it appears to the writer that the showing has a limited extent and no action should be taken on the property.

This is essentially the same conclusion reached by Gilmour in 1964.

Sample taken from the same pit (??) by Gilmour:

8753	Au--.05	Ag--0.6	Cu--0.22
8754	Au--Tr	Ag--0.4	Cu--1.02

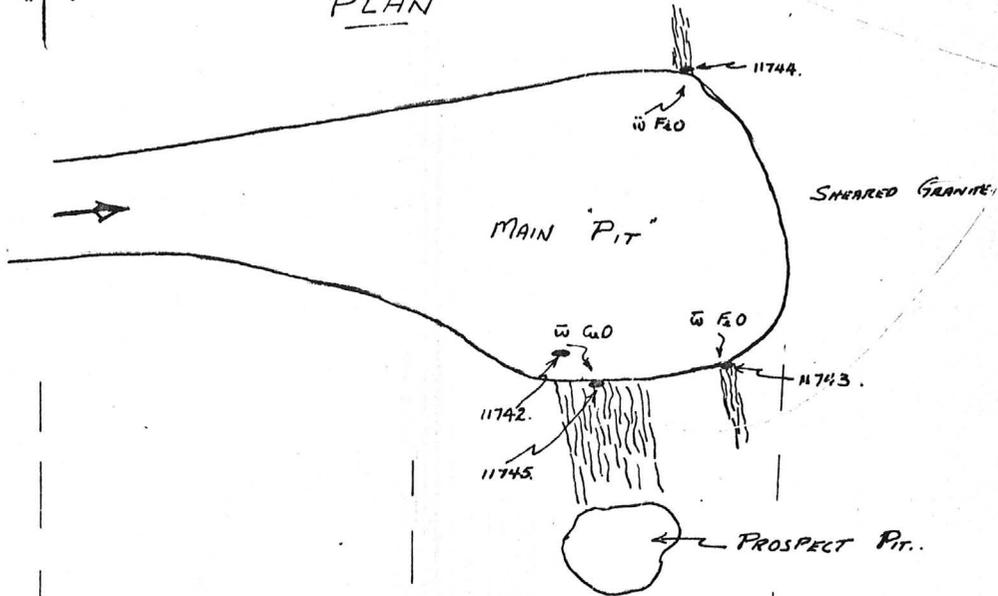
It should be noted that this pit is the better or best actual showing on the entire claim group. It was completed approximately 2 to 3 years ago by a group that leased the claims but stopped, it is assumed, because of a lack of significant values.

PLAN & SECTION of PIT ON 'Cu' SHOWING on BROWN-CRAWFORD PROPERTY.

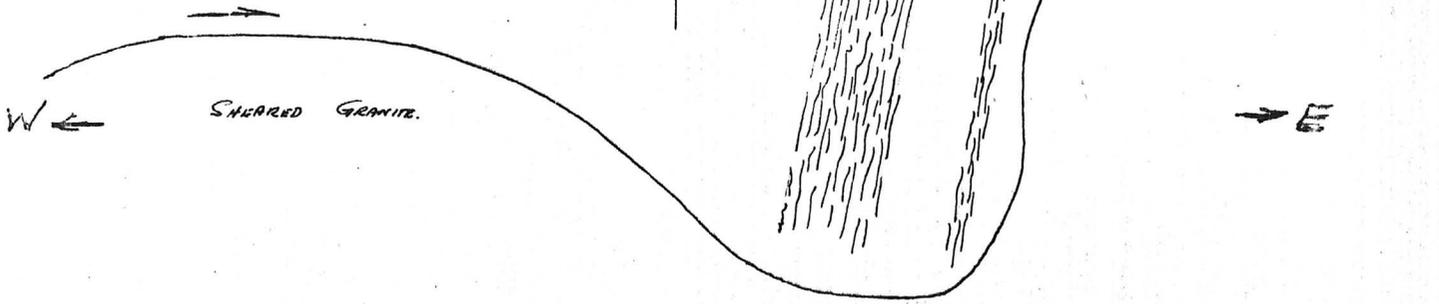
SCALE 1" = 10' (APPROX.)



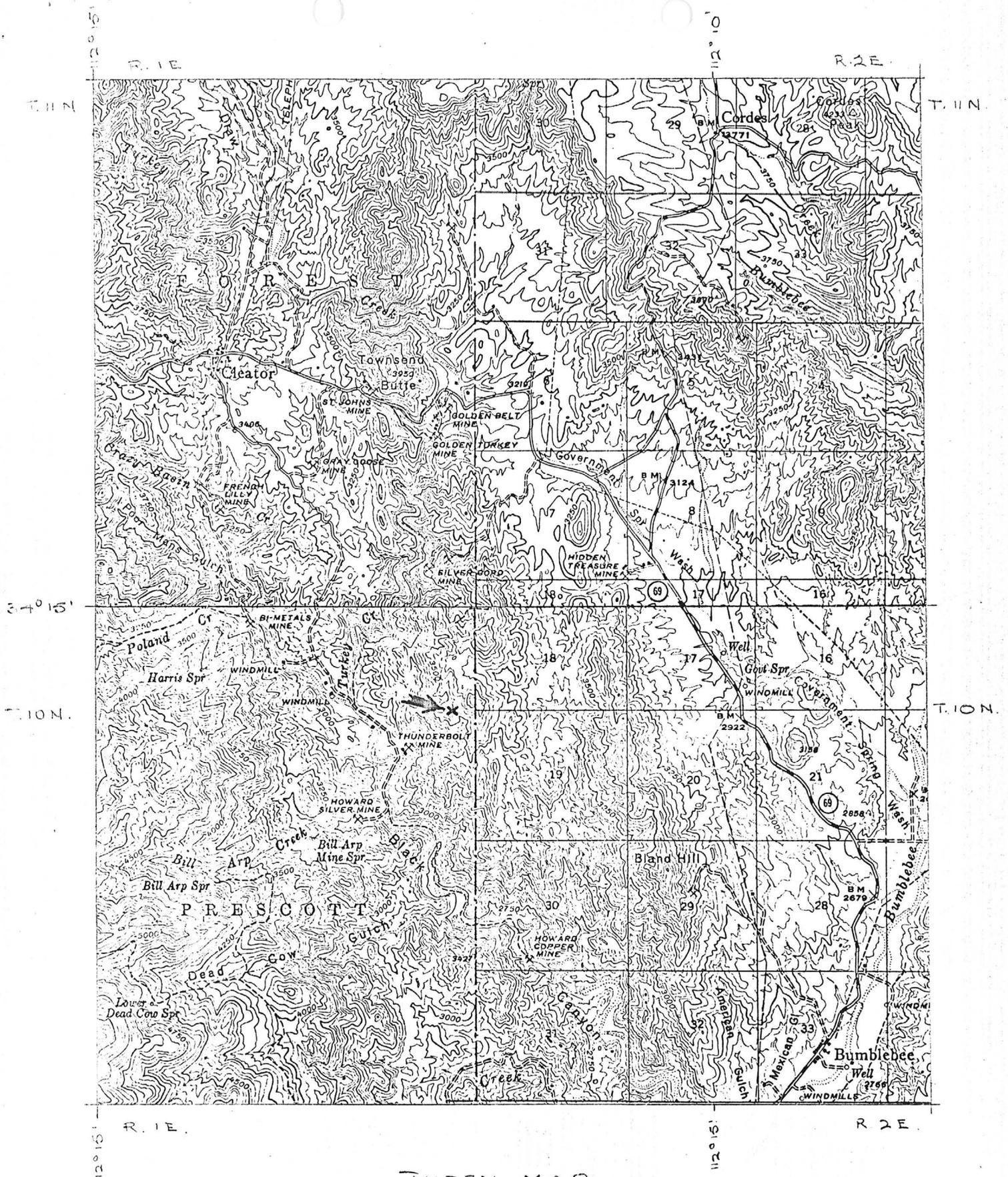
PLAN



(SECT OF SHEAR ZONES)



SECTION.



INDEX MAP
 Showing location of Brown
 Prospects.
 Scale: 1:62500

COPY

IRON KING MINE
P. O. BOX 68
HUMBOLDT, ARIZONA

SHATTUCK DENN MINING CORPORATION

P. O. BOX 1492
PRESCOTT, ARIZONA

Humboldt, Arizona

November 18, 1964

Mr. C.R. Sundeen

Paul Gilmour

Ezra Brown Prospect
T. 10 N. 2 E.
Sects. 18 & 19

On Friday, 13th. November, I visited in the company of Mr. Ezra Brown an area lying between Cleator and Bumble Bee where Mr. Brown and a partner own some 80 odd claims.

The area in which the claims are situated lies between the former Golden Turkey and Golden Belt Mines to the north and the Howard Copper Company to the south.

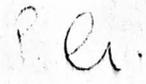
The Brown claims occur in an area underlain by schists which range in composition from platy, siliceous meta-rhyolite to fissile, chloritic meta-andesite. Bands a few feet thick of siliceous, magnetic iron formation and concordant lenses of white quartz of comparable width are found within the schists. The formations strike north and south with dips around the vertical.

Lying within these schists of apparently volcanic derivation are rusty weathering horizons which vary in width from a few feet to more than a hundred and attain lengths of a few thousand feet. It was these rusty belts which attracted the attention of Mr. Brown and his partner.

It is difficult to know how much importance should be attached to these rusty weathering horizons. They are widespread throughout the Yavapai Schist. In some places they are associated with ore; in others fairly extensive exploration has failed to reveal the presence of ore.

In the absence of other information to explore the weathering zones it is difficult to see how further work on the Brown claims can be justified.

Signed,


Paul Gilmour

PG:dj
C;File