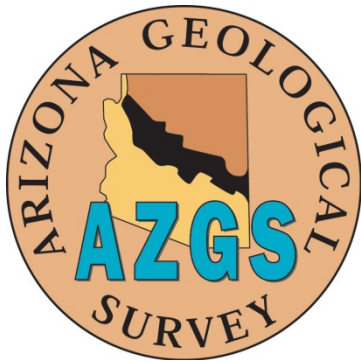




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Reconstruction Finance Corporation
Mining Division

Report of Supervising Engineer

①

Docket No

B-ND 4451

Date Authorization for Examination Recd -

Sept 29, 1942

Date of Examination, inclusive -

Nov 6, 1942

Date of Report -

Nov 13, 1942

1. Name and address of Applicant

Guy ° Buster
Oracle, Arizona

Correspondent: Same

2. Character of Project

To develop and mine lead ore

3. Location of Mine

In either sec 23 or Sec 27, T. 11 S. R. 16 E., 6 and S. R.
Old Hat Mining District, Pima County, Arizona. Nearest
Railroad station is at Hayden, Arizona, 56 miles from Road
Camp of applicant. Mining property of applicant is reached
by narrow, steep mountain ^{trail} from Road Camp. Either one
walks in or rides by pack animals.

4. Applicant

Applicant may be competent to operate mine under loan.

5. Loan Requested

\$10,000.00

6. Description of Project

A. General Features

There are no workings which are not confined
within applicant's ownership. The property is
isolated and not near any other properties
where right-of-way or sub-surface trespass

$$\begin{array}{r}
 822 \\
 673 \\
 12.92 \\
 \hline
 3 \overline{) 2787} \\
 9.29
 \end{array}$$

1.8 feet in 10 feet long.

50
43
1

40
23
12
33
40
14

45
90
4050

(2)

might occur.

The applicant had three Mexicans on the property but it is doubtful whether he was complying with State compensation or Federal Social Security regulations.

B Existing Development

1 Tunnel Mine

As the applicant did not have a map of the underground workings, a tape and compasses map was prepared. The lower tunnel, a winding dog-leg, was 147 feet long, and did not expose any ore. A raise extended to a small stope off the upper tunnel.

The upper tunnel was 30 feet above the lower tunnel and extended 50 feet into the side of the hill for "Bull Quartz" vein parallel with the bedding. This showing was followed down with an incline 45 feet and then drifted on for 20 feet. A few feet higher and near the top of the ridge an open cut extended to a worked out and gabbled stope.

The applicant did not describe any of the above workings in his application. What he did describe pertained to his gold workings and as far as this engineer could observe there were no stopes or aggregate of stopes where 90 tons of galena ore could have been mined, either in the gold workings or the galena workings under consideration.

I took three samples in the only place galena was ~~showing~~ ^{apparently} and in the same stope the applicant cut this sample. This stope is 10 feet long and exposes a vein 1.8 feet thick. The average of 3 samples gave 9.29% lead. Galena was not observed south of sample No 3 or along the incline to the upper tunnel or any place in the lower tunnel. Sample No 4 represents a hand picked sample of the fines from the ore pile. Probably less than 15 tons were stacked and a far cry from 200 tons as stated by the applicant. The assay gave a little over

4. percent lead. The applicant stated that the ore would need close sorting before shipment by burro to the Road camp some 3 miles more or less distant.

Mine workings were easily accessible except for the gobbled slopes. Vein could not be observed in these places.

This property is in an isolated region of scant mineralization and far from any producing property. It can be reached only by pack animals over a narrow trail that traverses two ridges and a deep canyon. A road into this property would be costly.

Observations on the surface and in the few openings where the vein is exposed underground indicate a "bell quartz" vein mineralization with bunches of galena scattered throughout a zone 10-12 feet long. The vein averages less than 2 feet in thickness and is parallel to the bedding of pre-Cambrian quartzites and limestones. Directly beneath the vein is a dark basic rock between two and three feet thick also parallel to the bedding of limestone rocks. From what work that has been done on the property it would appear that there was a segregation of galena in the vein about 10 feet wide and unknown length. Much sorting will be necessary to increase the grade of ore necessary to shipment by burro.

The following points are against the property namely:

- (1) All supplies hauled in and ore hauled out must be with pack animals. Distance approximately 3 miles over narrow mountain trail.
- (2) Occurrence of ore is limited to a small slope 10 feet long and less than 2 feet thick.
- (3) Samples of vein material assayed 9.29% lead. Ore from dump assayed 4.21% lead.

(4)

~~4. Present underground workings limited as there is no tunnel along strike of vein.~~

4. All ore mined will need to be hand sorted.

5. Type of mineralization is against any opportunity of finding larger ore bodies.

6. There is a ^{leak} water at the mine workings & water must be pumped and piped from a spring of doubtful capacity.

Comments

This engineer expresses the opinion that the showing of lead ore is too small and isolated to be worthy of a loan.

Charles A. Reser
S. E.

Attachments

- 1 composite map.
- 1 section map.
- 1 certificate of assays.

LOCATION Oracle, Arizona

SURVEY

GEOLOGY BY

MINE Guy Buster

SCALE 1" = 20'

LEVEL

POSITION

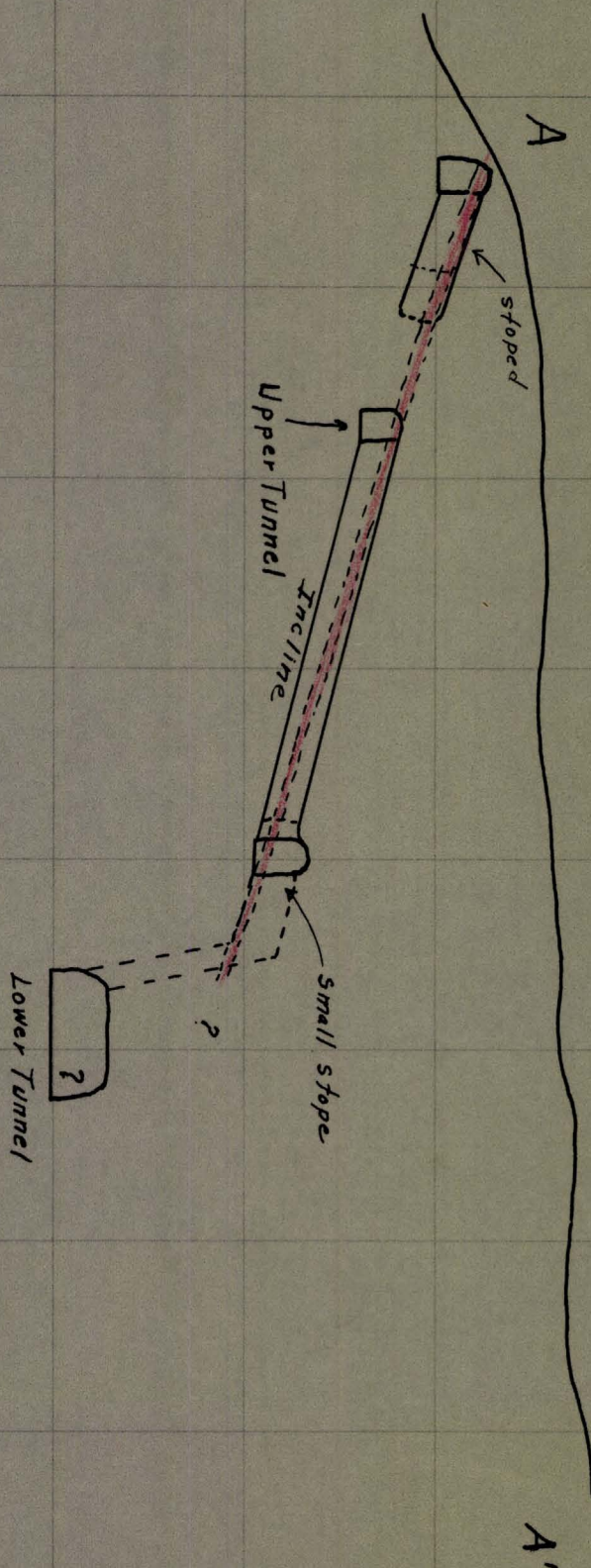
DATE

Composite

Section

Nov. 11, 1942

Guy Buster
B-ND 4451
Scale 1" = 20'
Charles A. Raab



LOCATION *Oracle, Arizona*

MINE *Guy Buster*

LEVEL *Composite*

SURVEY

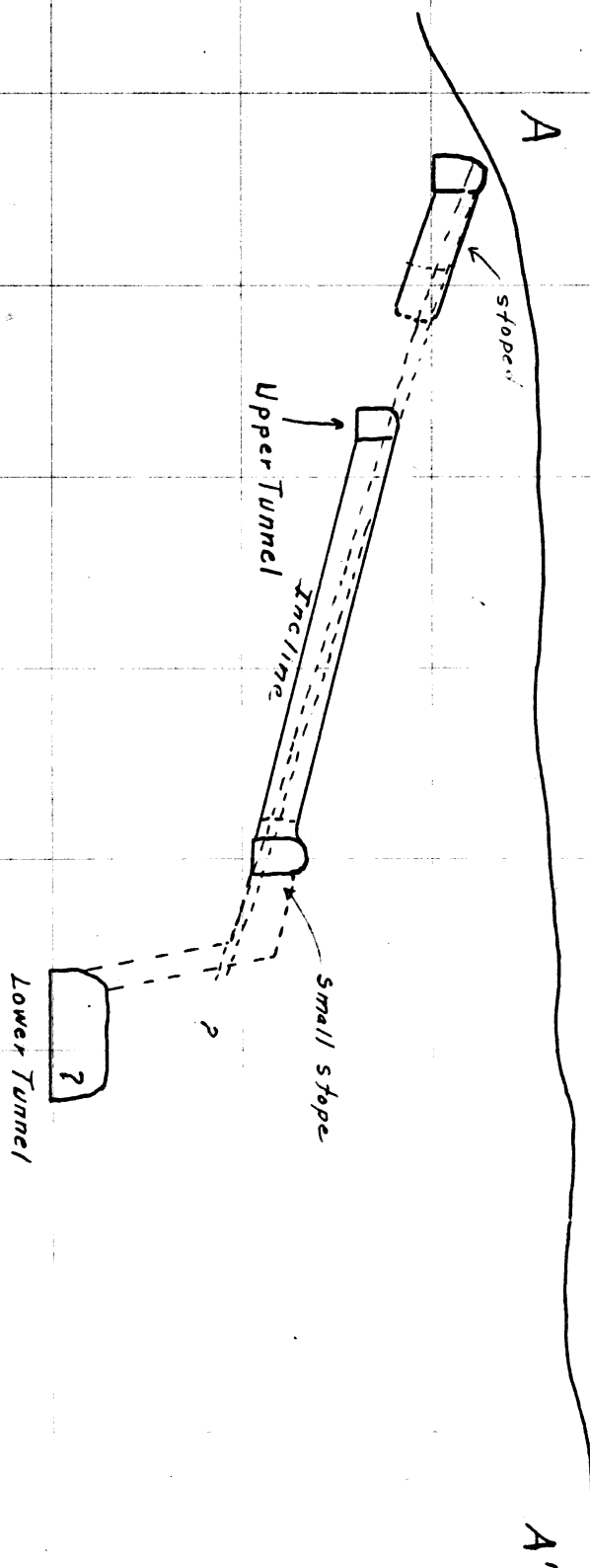
POSITION *Section*

GEOLOGY BY

SCALE *1" = 20'*

DATE *Nov. 11, 1942*

Guy Buster
B-ND 4451
Scale 1" = 20'
Charles A. Paol.



LOCATION Oracle, Arizona

MINE Guy Buster

LEVEL Composite

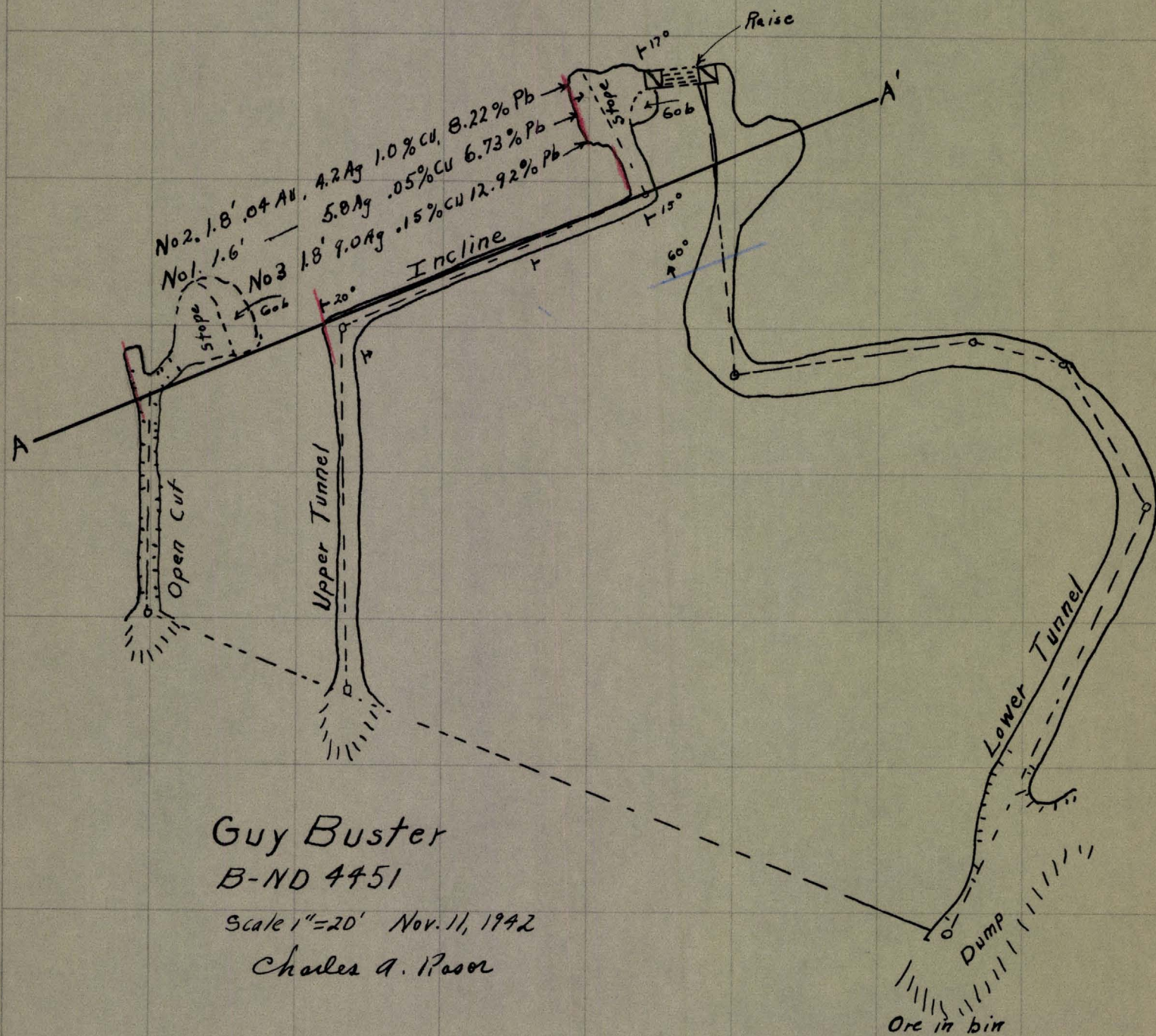
SURVEY

POSITION

GEOLOGY BY C.A. Rasor

SCALE 1" = 20'

DATE Nov 11, 1942



Guy Buster

B-ND 4451

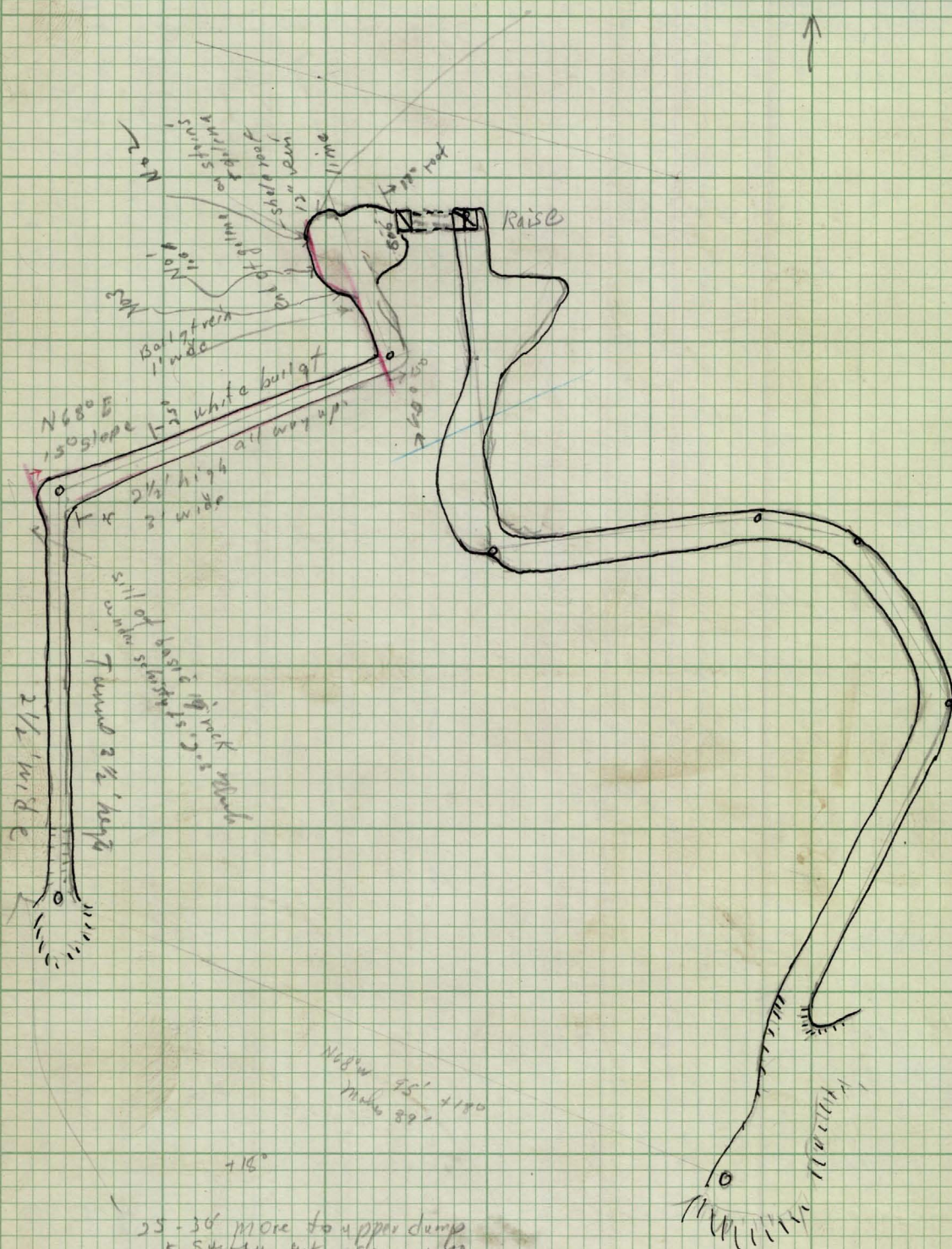
Scale 1" = 20' Nov. 11, 1942

Charles A. Rasor

No. 4. about 15 tons.

.04 Ag, 1.8 Ag, 1.30% Cu, 4.21 Pb.

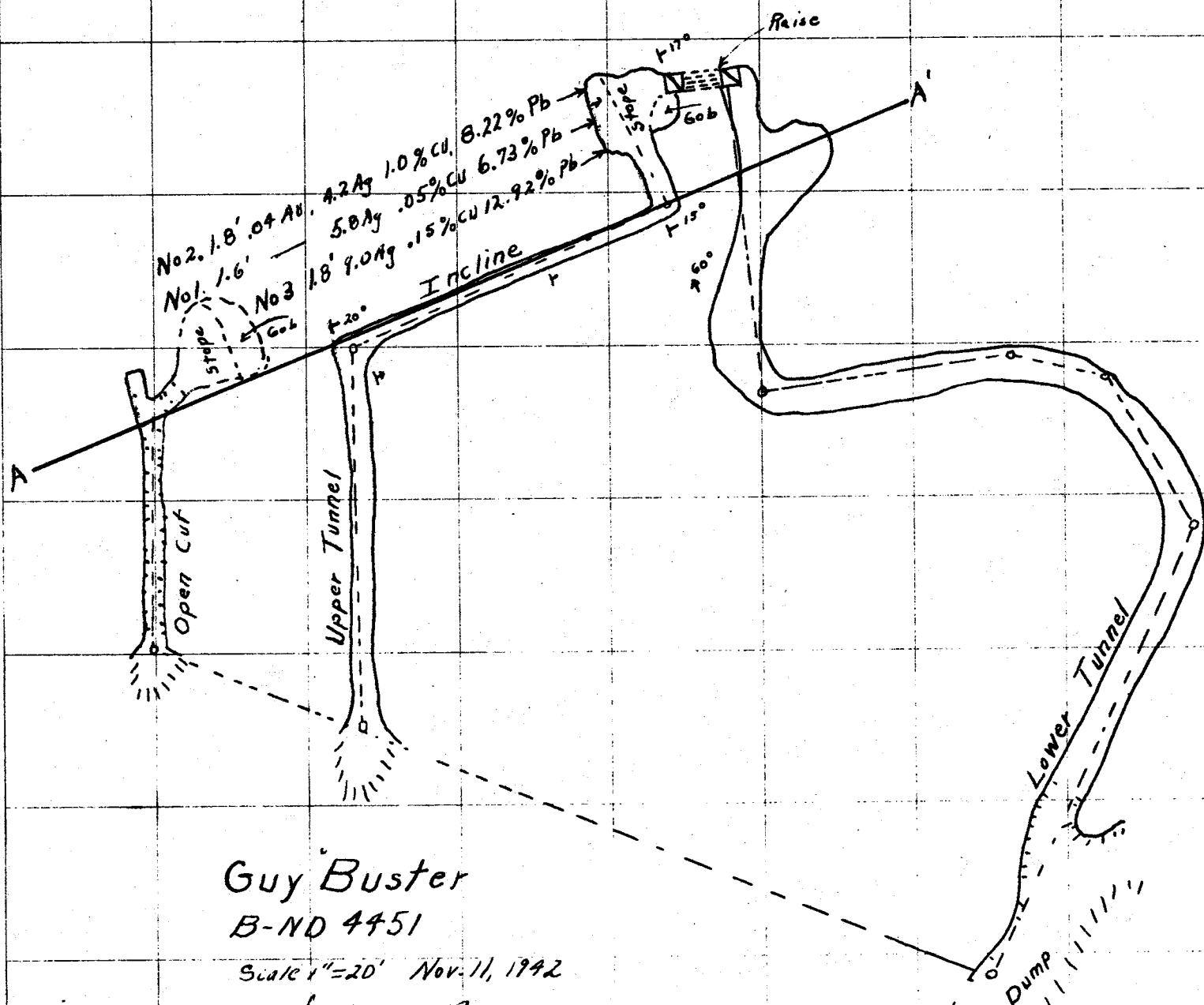
November 6, 1942
Guy Butler
Left Road Camp
8:15 AM
Arrived at Mine 9:30 AM
3 mile trail
Leave Mine 1:45 PM
Arrive Road Camp 2:30 PM



25-30' more to upper dump
to surface of same + 100
25' along bedding to slope
stopped down 25-30'
35' to top of ridge

LOCATION *Oracle, Arizona* MINE *Guy Buster*
SURVEY
GEOLOGY BY *C. A. Pasor* SCALE *1" = 20'*

LEVEL *Composite*
POSITION
DATE *Nov 11, 1942*



Guy Buster
B-ND 4451

Scale 1" = 20' Nov. 11, 1942

Charles A. Pasor

Ore in bin
No. 4. about 15 tons.
.04 Ag., 1.8 Ag., 1.30% Cu, 4.21 Pb.