UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
WASHINGTON 25, D. C.

GEOLOGICAL SURVEY

OCT 20 1965

Mr. W. Reed Pett

Eureka, Utah

Re: OME-6463 (Silver)
W. Reed Pett and Harold Kay
Myrtle Claims
Utah County, Utah

Dear Mr. Pett:

Careful study of your application for financial assistance in exploring the subject property and of other information available to us indicates that the probability of disclosing significant ore reserves on the property is not sufficiently promising to justify Government participation in the proposed exploration. Accordingly, we regret to inform you that your application for exploration assistance is denied.

Sincerely yours,

(signed) FRANK E. JOHNSON

Frank E. Johnson
Chief, Office of
Minerals Exploration

MMerrithew/mm (10/15/65)
cc: Director's Reading File
Division File
Economic Geology File
OME File
OME Region III
OME Reading File
Mr. Selfridge
120M

October 12, 1965

Memorandum

To: Chief, OME

From: Field Officer, Region III

Subject: OME-6463 (Silver)
W. Reed Pett & Harold Kay
Myrtle Claims
Utah County, Utah
Report of examination

Attached are the original and one copy of the Report of Examination on the subject property by J. William Hasler, U.S.G.S.

The Field Examiner recommends that the application be denied and I concur in that recommendation.

There is little geologic probability of a significant discovery of silver being made on this property.

ORIGINAL SIGNED BY

Hugh M. Connors

HMC 10-12-65

cc: 6463
chron
Salsbury

REPORT OF EXAMINATION

REGION XII

ONE-6463

W. Reed Pett & Harold Kay

Myrtle Claims

Utah County, Utah

by

J. William Hasler

October 8, 1965

CONTENTS

	Page
Introduction and Summary	1
The Property	1
Geology and Ore Deposits	2
Proposed Project	3
Conclusions and Recommendations	4

ILLUSTRATIONS

Figure		Follows Page
1	Index map of Utah showing the location of the Myrtle Claims, Utah County, Utah and sketch map of shaft and shear zone on the Myrtle Claims, Utah County, Utah.	1

OME-6463
W. Reed Pett & Harold Kay
Myrtle Claims
Utah County, Utah

INTRODUCTION AND SUMMARY

W. Reed Pett & Harold Kay applied to the Office of Minerals Exploration for financial assistance in Minerals Exploration on their group of Myrtle Claims in the North Tintic Mining district, Utah County, Utah.

The application was referred to the field and an examination was made September 16 and 17, 1965. The property lies in the SW-1/4, SW-1/4 of section 35 T 8 S, R 2 W, S L Meridian. The immediate area is underlain by nearly flat lying dolomites of the Victoria formation of Devonian age that are cut by a northeast striking shear zone that is highly oxidized and flooded with abundant calcite, aragonite as calcedonic and banded concretions. The mineral values are low and the structure pinches out at depth. It is unlikely that an ore deposit of any size or grade would be discovered as a result of an exploration program on the Myrtle Claims. It is therefore recommended that the application be denied.

THE PROPERTY

The applicant's property, which includes the Myrtle Claims is at an altitude of about 5,200 feet above sea level on the south side of Wanlass hill in the North Tintic Mining district (fig. 1). The property may be reached by traveling east on Highway 50-6 for 12 miles from Eureka, Utah to the town of Elberta, then north on Highway 68 for 6.9 miles then turn left (or west) for 4 miles on the Chimney Rock Pass road, then turn right (or north) on an access road across the creek for about one mile to the property.

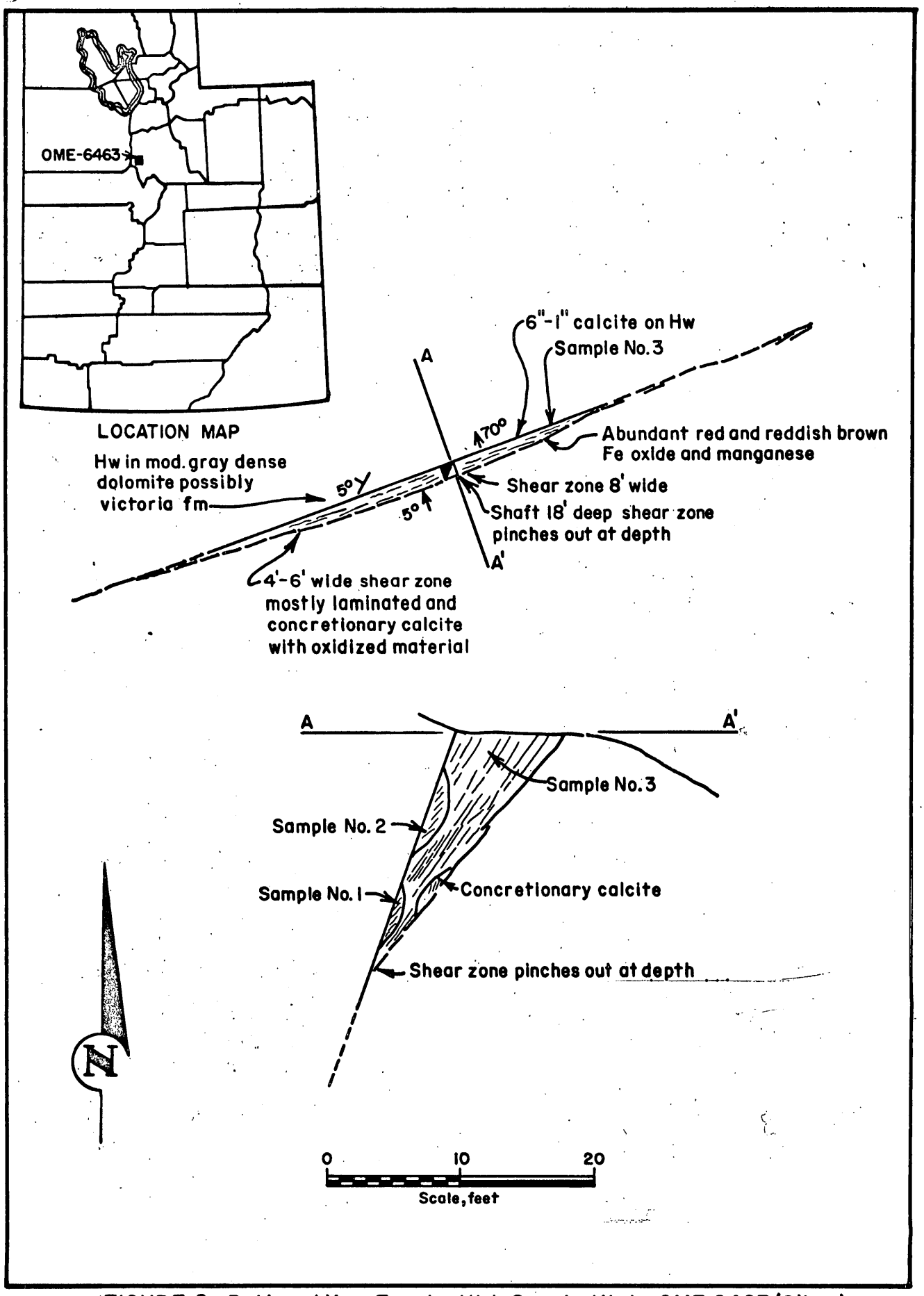


FIGURE 2.-Pett and Kay, Eureka, Utah County, Utah. OME-6463 (Silver)
Sept. 16 and 17, 1965, J.W. Hasler

The applicant owns three unpatented claims known as the Myrtle Claim, Myrtle Claim No. 1 and the Myrtle Claim No. 2. The claims are recorded with the Utah County Recorder as follows:

Myrtle Claim	Book 971	Page 437	Utah County Recorder	Provo, Utah
Myrtle Claim No. 1	Book 971	Page 488	Utah County Recorder	Provo, Utah
Myrtle Claim No. 2	Book 971	Page 487	Utah County Recorder	Provo, Utah

GEOLOGY AND ORE DEPOSITS

The Myrtle Claims are located in the North Tintic Mining district (fig. 1) which has had a production of ore valued at approximately $500,000 at current prices (1957)[1/], the bulk of this ore occurred as

1/ Ore Deposits of the North Tintic Mining District by A. E. Disbrow and H. T. Morris. Guidebook to the Geology of Utah No. 12, Geology of the East Tintic Mountains and Ore Deposits of the Tintic Mining Districts, pp. 140-153, Utah Geological Society, 1957.

limestone replacement bodies in the Scranton mine, and the next came from smaller replacement deposits at the New Bullion, Lehi Tintic, and Tintic Prince Mines. Of less apparent importance are small deposits of copper at the Hot Stuff and Silver Bell prospects and minor amounts of ore minerals are reported by Loughlin (Lindgren and Loughlin, 1919, p. 272-276) to occur at several other prospects. Of some fourteen mines in the North Tintic Mining district only three had any reported production, consequently comparatively little ore has been produced in this district with respect to the Main and East Tintic Mining districts.

The shear zone (fig. 1) where exposed on the Myrtle Claim is as much as 8 feet wide, near the shallow shaft, and narrows to 4 feet trending westward. The zone strikes N 70° E and dips North 80 degrees and contains mostly concretionary calcite or aragonite with minor amounts of quartz and moderate amounts of reddish brown oxidized material with some manganese oxide staining. The shear zone pinches at depth from as much as 8 feet on the surface to less than one foot at the bottom of the 18 foot shaft. No other significant mineralization as heretofore mentioned was observed, and assays furnished by the applicant are erratic in value, ranging from a high of 23.3 oz. silver per ton to as much as a trace. Gold ranged from none to as much as 0.03 oz. per ton, and Lead ranges from none to as much as 0.4 percent.

Three samples cut at the time of the field examination each assayed less than 0.03 oz. silver per ton. No assays were requested for Gold or Lead as it was thought unnecessary from the looks of the mineralized material, as well as the values observed from the Applicant's assay results.

PROPOSED PROJECT

The applicant proposed to crosscut for 45 feet to the vein from a point near the valley floor in order to gain some depth on the vein, then drift on the vein northeastward for 455 feet, to improve an access road for 350 feet, which would involve the use of a bulldozer.

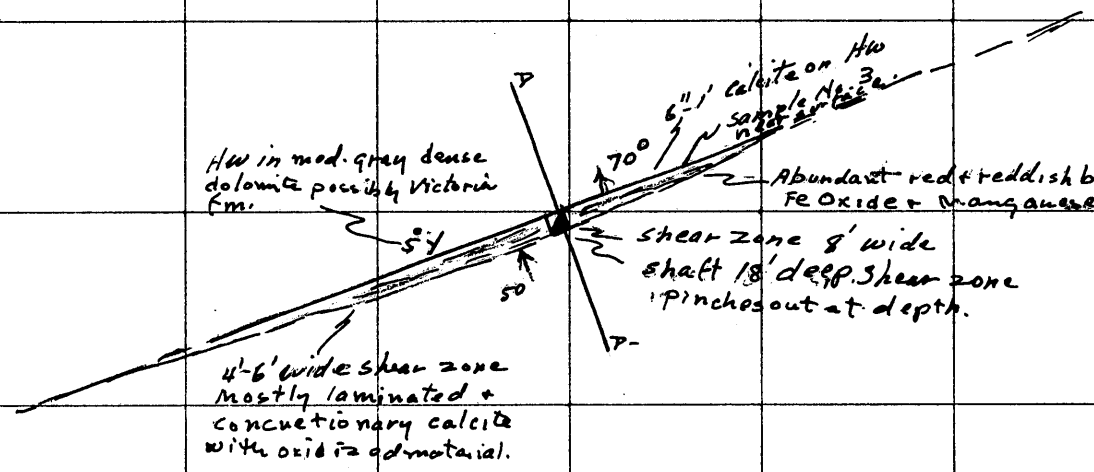
CONCLUSIONS AND RECOMMENDATIONS

The field examination showed that the shear zone on the Myrtle Claim pinches out at depth presumably not far below the 18 foot shaft sunk by the applicant. Mineralization is meager, consisting largely of calcite or aragonite, with moderate reddish brown oxidized material and some quartz. Assay results of the vein material have a wide range of values for Silver but are for the most part quite low, and average 0.23 oz. silver per ton with three of 10 samples yielding only a trace. One sample assayed an abnormally high 23.3 oz. silver per ton.

Assays for gold and lead either were low or nonexistent.

Because of the lack of continuity of the shear zone at depth and the lack of significant mineralization, it is recommended that the application be denied.

PETT + KAY. OME 6463 (Silver)
Eureka, Utah Co., Utah.
Sept. 16 + 17/65 - JW Hasler



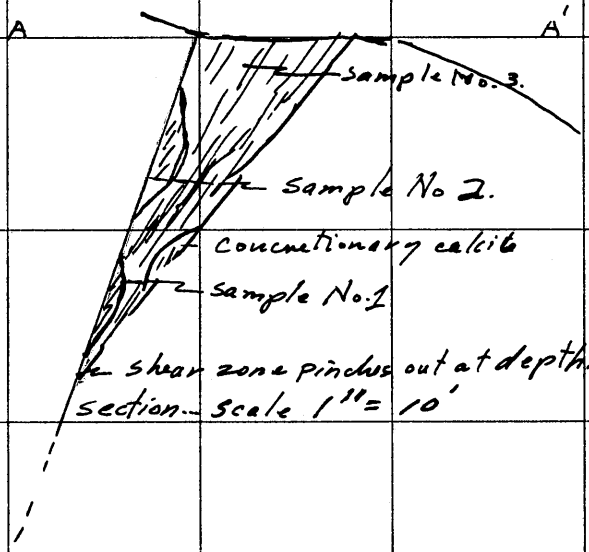


Figure 2

"ALBANENE" No. 196M K&E CO., N.Y.
REG. U.S. PAT. OFF

W. Rock Pile

S 25° W from Chimney Rock

[illegible] (Cloud)

N 7° [illegible] 35° W. Opened for 30'

[illegible]

4- [illegible] material.

#1 8'

#2 8'

#3

K•E ALBANENE 195M TRACING PAPER 66130

6-303
(March 1947)

SEP 30 19[redacted]

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Salt Lake City, Utah

No. 1

Report to Mr. Steve Wilson

Chemical Laboratory Report

Date received 9-29-65

940100

Date reported 10/4/65

Serial No.	DESCRIPTION	Lot No.	Ag	
14744	OME 6463	1-JW.H.	<.03	(oz/ton)
45	" "	2-JWH	<.03	do
46	" "	3 JWH	<.03	"
	Myrtle Claims, Utah County, Utah Eureka, Utah			

U.S. GOVERNMENT PRINTING OFFICE : 1960 O—566747 16—33553-3

Signed H. E. P.

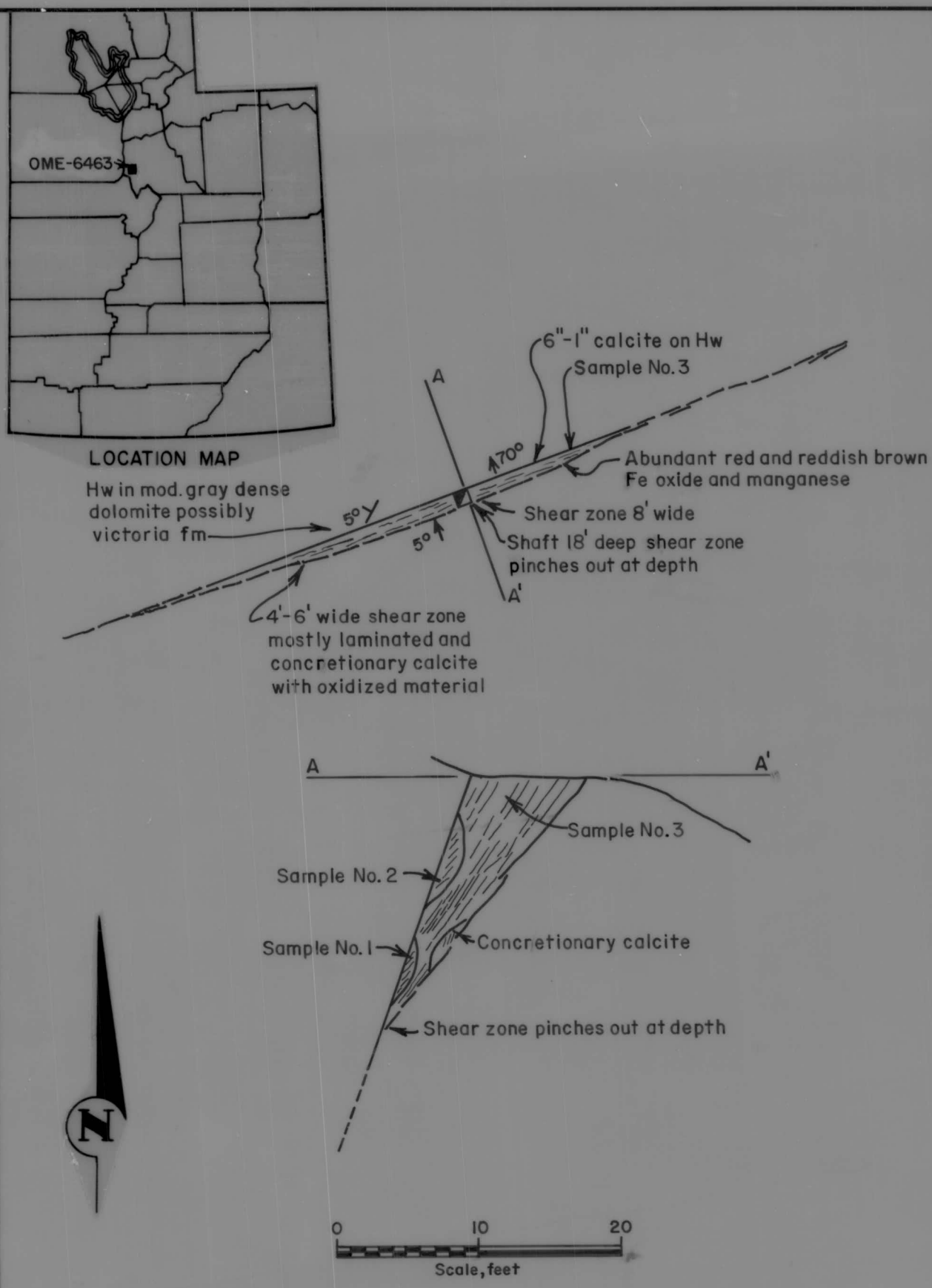


FIGURE 2.- Pett and Kay, Eureka, Utah County, Utah. OME-6463 (Silver)
Sept. 16 and 17, 1965, J. W. Hasler