



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
3550 N. Central Ave, 2nd floor
Phoenix, AZ, 85012
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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~~Sub. "A" - Az.~~

April 25, 1983

Tanenet Mining Corporation
Field Office
P.O. Box 5667
Lake Havasu City, AZ 86403

Attention: Mr. Michael H. Ferdik, President

Re: Crossman Peak Area
Mohave County, AZ

Dear Mr. Ferdik:

Your letter dated 16 March 1983 and accompanying data were received on 22 April.

I have briefly reviewed the material and regret that it does not represent something that either dictates or allows for our immediate follow up. The GSA (Geol. Soc. of America) paper is technically and academically interesting but a long way from "rock in the box" as we say.

The district and region doubtless warrant further exploration however and, we would like to check out your claims if a convenient opportunity presents itself. Meanwhile, if there are any changes in the situation please let us know.

Sincere best wishes,

Heinrichs GEOEXploration Co. (Inc.)

Walter E. Heinrichs Jr., President
Geol. Engineer & Geophysicist
P.E. & C.P.G.S.

WEH:mt
cc: 18 Price Street
West Chester, PA 19380

Copy these
pages only
(back to back)
for our
files

DAY OF THE YEAR

270 -

FRIDAY, SEPT. 26

DAYS REMAINING

- 96

11:30

12:00

1:00

1:30

2:00

2:30

3:00

3:30

4:00

4:30

5:00

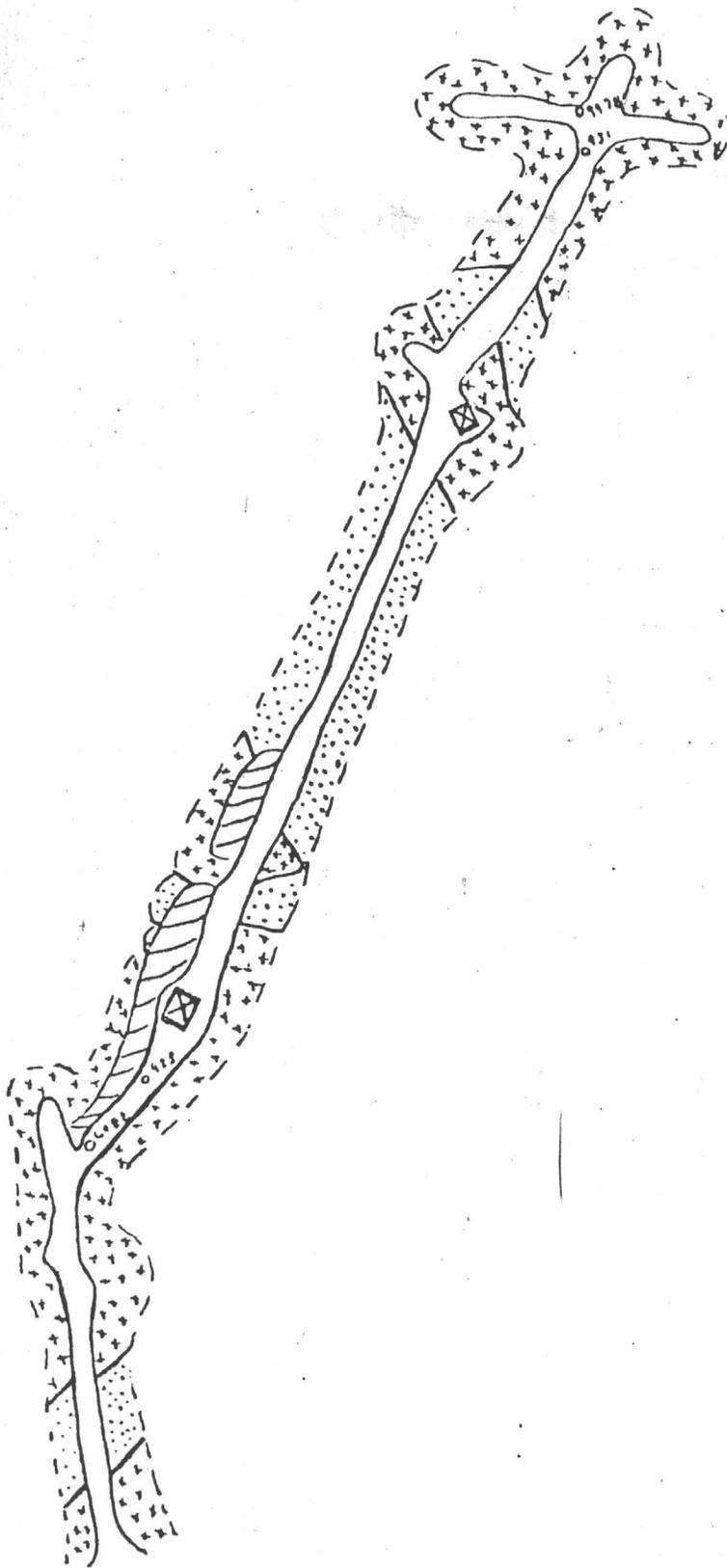
5:30





← PROPOSED RADAR SITE
ROAD

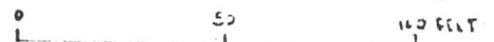
DIRT ACCESS RD

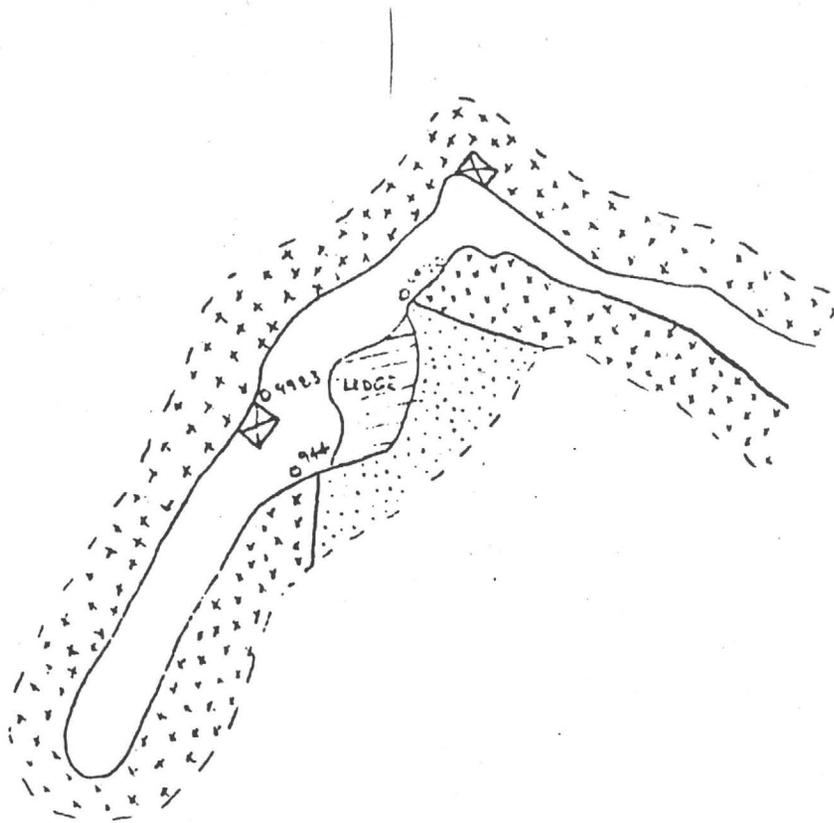


- ▨ - PORPHYRITIC INTRUSIVE DYKE
 - ⋯ - GARNET BIOTITE GNEISS
 - ▧ - LARGE ROADWAY
 - ◇ - STOP
 - - ASSAYS - GOLD - SILVER OZ/T
- | | | |
|------|------|------|
| 423 | .168 | .200 |
| 931 | .012 | .400 |
| 6482 | .030 | .060 |
| 9975 | .246 | .660 |

SEE OVER

ASAR-MINE -

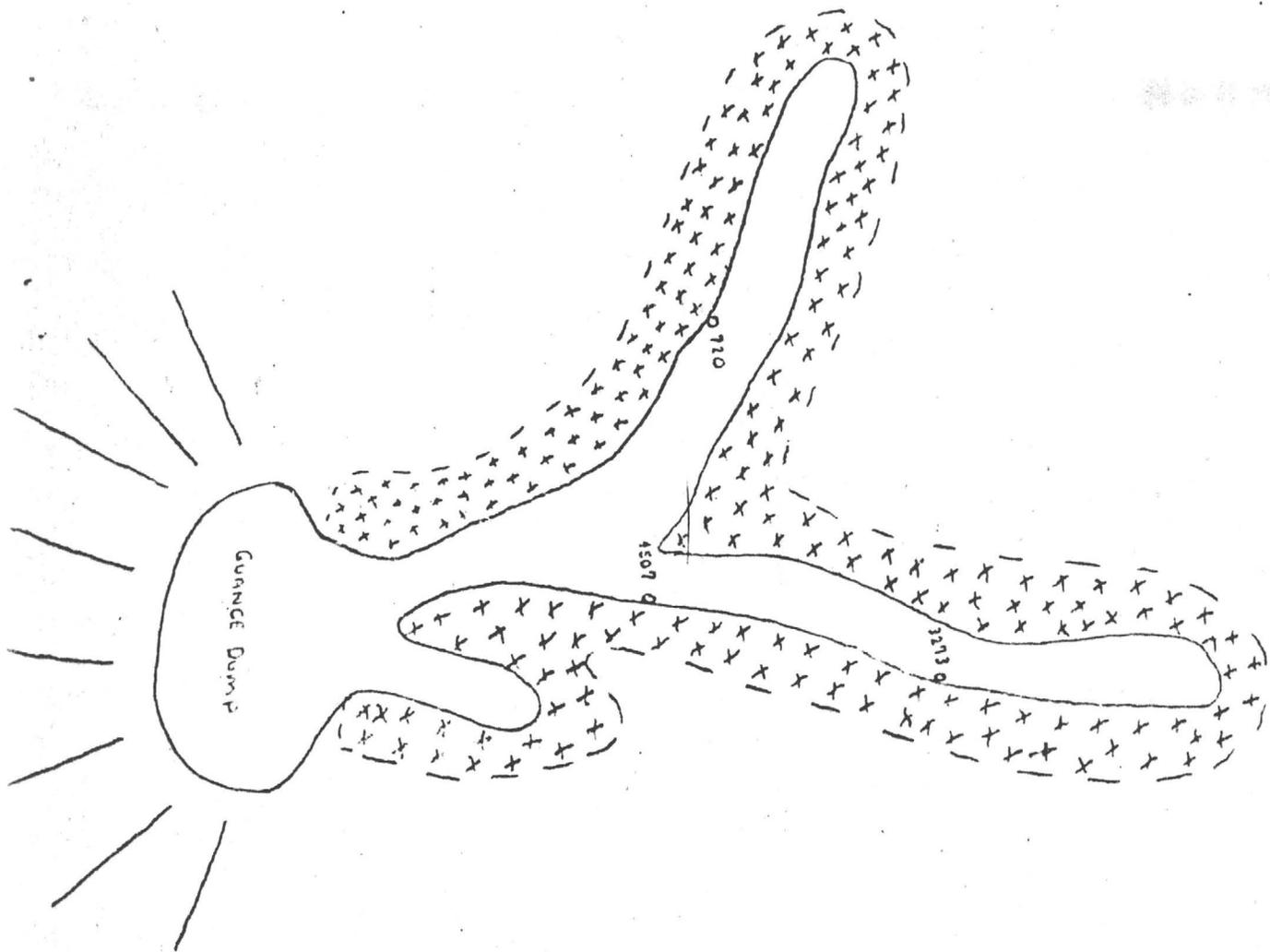




- - PERIPLASTIC INTRUSIVE DA
- - GRANITE DIORITE GNEISS
- ⊠ - METALCO MOUNTAIN
- ⊠ - SLUPE
- - 42076 - G.D. 2128 - 21
- 944 - 204 - 210
- 946 - 200 - 210
- 9483 - 200 - 210

KEB-SET-MINE

0 _____ 30 FEET



RA-MINE - 9

20 feet

[x] - QUARTZ BIOTITE GNEISS
 0 - ASSAYS - Gold Silver Pt
 120 - .058 3.200
 3213 - .015 2.700
 4507 - .086 8.020

SEE OVER

SAMPLE NO.	FILE-AD GZ/TON	FILE-AD GZ/TON	CHEM- X	CHEM- X	CHEM- X	CHEM- X
724	0.2	TRACE	PA <0.01	CU 0.01	MO <0.01	PE <0.01
725	< 0.2	< 0.005	PA <0.01	CU <0.01	MO <0.01	PE <0.01
726	0.2	TRACE	PA <0.01	CU 0.05	MO <0.01	PE 0.03
727	< 0.2	TRACE	PA <0.01	CU 0.01	MO <0.01	PE 0.24
728	< 0.2	< 0.005	PA 0.02	CU 0.02	MO <0.01	PE <0.01
729	< 0.2	< 0.005	PA 0.10	CU <0.01	MO <0.01	PE <0.01
730	< 0.2	0.007	PA <0.01	CU 0.09	MO <0.01	PE 1.00
731	0.4	TRACE	PA <0.01	CU 0.10	MO <0.01	PE 0.97
911	0.0	TRACE	PA 0.00	CU <0.01	MO <0.01	PE 0.01
912	< 0.2	TRACE	PA 0.06	CU <0.01	MO <0.01	PE <0.01
913	0.2	0.006	PA <0.01	CU <0.01	MO <0.01	PE <0.01
914	< 0.2	TRACE	PA 0.01	CU <0.01	MO <0.01	PE 0.16
915	< 0.2	0.000	PA <0.01	CU <0.01	MO <0.01	PE <0.01
916	0.2	0.024	PA 0.05	CU <0.01	MO <0.01	PE <0.01
917	< 0.2	0.010	PA <0.01	CU <0.01	MO <0.01	PE 0.05
918	< 0.2	0.057	PA 0.02	CU 0.01	MO <0.01	PE 0.06
919	< 0.2	< 0.005	PA 0.10	CU <0.01	MO <0.01	PE <0.01
920	< 0.2	< 0.005	PA 0.10	CU <0.01	MO <0.01	PE <0.01
921	< 0.2	< 0.005	PA 0.01	CU <0.01	MO <0.01	PE <0.01
922	< 0.2	TRACE	PA 0.01	CU <0.01	MO <0.01	PE <0.01
923	< 0.2	0.152	PA 0.04	CU 0.02	MO <0.01	PE 0.02
924	< 0.2	< 0.005	PA 0.02	CU 0.01	MO <0.01	PE 0.02
925	0.2	TRACE	PA 0.05	CU 0.02	MO <0.01	PE 0.02
926	< 0.2	< 0.005	PA 0.01	CU <0.01	MO <0.01	PE <0.01
927	< 0.2	TRACE	PA 0.03	CU <0.01	MO <0.01	PE <0.01
928	< 0.2	< 0.005	PA <0.01	CU <0.01	MO <0.01	PE <0.01
929	< 0.2	< 0.005	PA 0.05	CU <0.01	MO <0.01	PE <0.01
930	< 0.2	TRACE	PA 0.05	CU <0.01	MO <0.01	PE <0.01
931	0.4	0.012	PA 0.01	CU 0.01	MO <0.01	PE 0.02
932	< 0.2	0.042	PA 0.01	CU 0.02	MO <0.01	PE 0.04
933	< 0.2	< 0.005	PA 0.01	CU 0.01	MO <0.01	PE 0.01
934	< 0.2	TRACE	PA 0.01	CU 0.01	MO <0.01	PE 0.01
935	< 0.2	< 0.005	PA 0.05	CU <0.01	MO <0.01	PE <0.01
936	< 0.2	< 0.005	PA 0.04	CU <0.01	MO <0.01	PE <0.01
937	< 0.2	< 0.005	PA 0.04	CU <0.01	MO <0.01	PE <0.01
938	< 0.2	0.064	PA 0.02	CU 0.04	MO <0.01	PE 0.20
939	< 0.2	< 0.005	PA 0.01	CU <0.01	MO <0.01	PE <0.01
940	< 0.2	< 0.005	PA <0.01	CU 0.01	MO <0.01	PE <0.01
941	< 0.2	0.005	PA <0.01	CU 0.01	MO <0.01	PE 1.35
942	0.2	TRACE	PA <0.01	CU 0.01	MO <0.01	PE 0.05
943	< 0.2	< 0.005	PA 0.05	CU 0.01	MO <0.01	PE 0.02
944	< 0.2	0.014	PA <0.01	CU 0.01	MO <0.01	PE <0.01
945	< 0.2	< 0.005	PA 0.10	CU 0.01	MO <0.01	PE <0.01
946	< 0.2	< 0.005	PA 0.05	CU 0.01	MO <0.01	PE <0.01
947	< 0.2	< 0.005	PA 0.02	CU 0.02	MO <0.01	PE <0.01
948	< 0.2	< 0.005	PA 0.01	CU 0.01	MO <0.01	PE 0.01
949	< 0.2	TRACE	PA <0.01	CU 0.01	MO <0.01	PE <0.01
950	< 0.2	TRACE	PA <0.01	CU 0.05	MO <0.01	PE 0.02
951	< 0.2	0.007	PA <0.01	CU 0.02	MO <0.01	PE 0.21
952	< 0.2	< 0.005	PA <0.01	CU 0.12	MO <0.01	PE 0.35

REPORT OF ANALYSIS

Order by:

FEB 22 1982

Date: February 18, 1982

ROYSTAKE MINING COMPANY
 R. Blakestad/R. Histed/W. Stanley
 P. O. Box 10628
 Reno, Nevada 89510

Laboratory Number: 13079

Analytical Method: Fire A.T.

Your Order Number: 000412

ROYSTAKE MINING CO.	
SAMPLE ANALYSIS DATA	
PROJECT	<u>Virginia J.R.'s</u>
REMARKS	<u>6-2</u>
FILE	<u>6-2</u>

Quantity: 100 samples

Sample Mark:	Gold oz/ton	Silver oz/ton	Sample Mark:	Gold oz/ton	Silver oz/ton
I	0.004	0.21	9975 E	0.014	-0.01
	0.001	-0.01	76	0.090	0.01
	-0.001	-0.01	77	0.018	-0.01
	0.001	-0.01	* 78	0.248	0.08
	0.024	1.84	79	0.034	-0.01
	0.051	4.52	80	0.004	0.01
	0.056	8.02	81	0.610	0.19
	0.001	-0.01	82	0.298	0.06
	1.018	6.50	* 83	1.040	0.21
			84	0.006	-0.01

SEE OVER

Inspiration Development Company

P.O. BOX 1320
CLAYPOOL, ARIZONA 85532

26 June 1980

Mr. Michael H. Ferdik
P. O. Box 5643
Lake Havasu City, Arizona 86403

Dear Mr. Ferdik:

Sorry for the delay in answering your letter of May 30 concerning our examination of your mining claims in the Mohave Mountains. As I indicated on my visit of April 15, 1980, the size of the mineralized deposits is not sufficient for Inspiration's needs.

I finally received the assays on the four samples I collected. The results are listed below:

Sample No.	% Cu	% Pb	% Zn	Oz./T		Description
				Au	Ag	
3273	0.66			0.015	2.70	1.5 ft. chip of hanging wall portion of quartz vein. Contains more sulphides (pyrite, galena) than remainder of vein
3274	0.02	0.25	0.05	0.005	0.60	5 ft. chip of lower portion of quartz vein. Minor pyrite and galena
3275	Trace	Trace	0.02	Trace	0.05	3 ft. sample across very fine grained basic rock containing pyrite in matrix and along joints. East rib of adit, near end
3276	Trace			Trace	Trace	Chipped 9 inch across fault gouge in basic rock. West side of drift near Sample 3275

RA-I

The samples are located on the enclosed copy of the topo map. The blue lines are faults and the red line is the quartz vein on the RA-I claim. I believe the adit on the west side of the ridge was constructed to intercept the quartz vein along the northwest-trending fault. The rhyolite? bed above the quartz vein on the RA-I claim was present in the adit but I did not see the quartz vein. This indicates to me that the quartz vein has pinched out to the south.

It was a pleasure being in the field with you and your son. If you have any questions, don't hesitate to contact me.

Sincerely,

Gary E. Schrock
Gary E. Schrock
Sr. Exploration Geologist

GES:jab
Enclosure

ASARCO

Southwestern Ore Purchasing Department
A. J. Krome
Manager
J. N. Lambe
Assistant Manager

April 10, 1979

Mr. Mike H. Ferdik
P. O. Box 5543
Lake Havasu City, AZ 86403

Dear Mr. Ferdik:

Our Hayden, Arizona, plant has assayed your two samples and reported the following results:

	<u>Oz. per Ton</u>		<u>Percent</u>				
	<u>Gold</u>	<u>Silver</u>	<u>Lead</u>	<u>Copper</u>	<u>Silica</u>	<u>Iron</u>	<u>Alumina</u>
<u>ASAR G-RAGE</u> <u>Bag of</u> <u>crushed ore</u>	.003	.01	.02	.03	62.0	4.4	11.2
<u>RA-I - ORE</u> <u>Two small</u> <u>specimens</u>	.118	11.13	27.2	.17	24.8	14.4	0.5

The metal content of the crushed material, which I assume you term gangue, is too low to be of any value; therefore, we are not interested in this product.

If the two small specimens represent any tonnage, we would be interested in discussing terms for smelting.

Yours very truly,


J. N. Lambe

SEE OVER

THOMAS D. LIGHT

ABSTRACTS with PROGRAMS 1982



78th Annual Meeting
CORDILLERAN SECTION
The Geological Society of America

April 19-21, 1982
Anaheim Convention Center
Anaheim, California

Host: Earth Science Department
California State University, Fullerton
Fullerton, California

Volume 14 • Number 4 • March 1982 • Boulder, Colorado
GSAAPSC 14(4) 145-252 (1982)



United States Department of the Interior

GEOLOGICAL SURVEY
BOX 25016 M.S. 973
DENVER FEDERAL CENTER
DENVER, COLORADO 80225
Branch of Exploration Research

IN REPLY REFER TO:

October 4, 1982

Mr. Michael Ferdik
P.O. Box 5667
Lake Havasu City, Arizona 86403

Dear Mr. Ferdik:

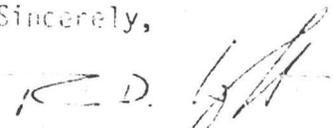
Enclosed I am sending you a copy of the abstract for the talk I gave last April at the Cordillerean Section meeting of the Geological Society of America. The talk was titled "Mineralization in the Crossman Peak area, Mohave Mountains, Arizona." A complete version of this paper has not yet been published, but I have included copies of the illustrations used to show the distribution of elements throughout the Mohave Mountains.

I am also enclosing a copy of an article written by Keith Howard and others, USGS, Menlo Park, California. This article illustrates the structural relationships which we employed in defining our geochemical model for mineralization in the Mohave Mountains.

I have passed your request for information in the vicinity of your mining claims to John McDonnell at the U.S. Bureau of Mines. He will initiate the procedures for pre-publication release of data from their files. Please let me know if there are any difficulties encountered in obtaining this information.

Please feel free to contact me, if I can be of any further assistance with respect to the mineral occurrences in the Mohave Mountains.

Sincerely,


Thomas D. Light
Branch of Exploration Research

Enclosures

SEE OVER



Tanenet Mining Corporation
Administrative Office
18 Price Street
West Chester, Pa. 19380
215-696-7224

Tanenet Mining Corporation
Field Office
P.O. Box 5667
Lake Havasu City, Az. 86403
602-764-3653

March 16, 1983

Heinrichs Geoexploration
P.O. Box 5964
Tucson, Az. 85703

Mr. Walter E. Heinrichs, Jr.,-President

Dear Sir,

We are sending you what data we have compiled, since 1975.
The claims are unpatented, but were originally located, in 1975.
You may return the data to our field office address.

Thank you for your interest.

Very Truly Yours,
Michael H. Ferdik
Tanenet Mining Corporation
Michael H. Ferdik
President

Grover Submitted F

April 12, 1983

Mr. Michael H. Ferdik, President
Tanenet Mining Corporation
Administrative Office
18 Price Street
West Chester, PA 19380

Re: Crossman Peak Area
Mohave County, AZ

Dear Mr. Ferdik:

Your undated circular letter and attached GSA Abstract Form attention Mr. G. Heinrichs - Manager was received yesterday.

My brother, Mr. Grover Heinrichs has his own separate business also related to mining development and I will see that he gets a copy of your submittal.

Meanwhile, we could be interested in your 28 claims depending on what factual data such as maps, samples, reports, are the claims patented or unpatented, etc., you may have. If you would care to forward such information to us on a loan basis we would be happy to then consider the matter further, and return the data to you promptly.

Thank you for including us on your submittal list.

Sincerely,

Heinrichs GEOEXploration Co. (Mac)

Walter E. Heinrichs, Jr., Pres.

WEH:mt

cc: E. G. Heinrichs
with copies of
circular letter
and attachments.



Tanenet Mining Corporation
Administrative Office
18 Price Street
West Chester, Pa. 19380
215-696-7224

Gentlemen,

Tanenet Mining Corporation, is endeavoring to contact other Corporations, who may be interested in, Developmental Leasing, Contract Mining, or Optional Sale.

Our claimholdings consist of 28 Lode and Placer claims, located in the Mohave Mountains, Mohave County, Arizona. These claims, are within the Crossman Peak Geological Survey Area. A brief of this survey is enclosed.

If your Corporation is interested, and considering expansion, we feel, that, Tanenet Mining Corporation, shows excellent potential, as a Mining Acquisition.

For further information, please feel free to call or write.

Cordially Yours,

Michael H. Ferdik
Tanenet Mining Corporation
Michael H. Ferdik
President

3/11/83
ans

See over

PLEASE USE THIS FORM FOR GSA SECTION MEETINGS ONLY AND NOT FOR ANNUAL MEETINGS
 PLEASE SUBMIT ONE ORIGINAL AND FOUR* COPIES TO YOUR GSA SECTION OFFICE

The Geological Society of America
 Telephone: (303) 447-8850



*CORDILLERAN SECTION
 Submit original and five copies

See instruction sheet for deadlines and addresses

1982 SECTION ABSTRACT FORM

Exact format shown on instruction sheet must be followed. Blue margins below are absolute limits.

CLASSIFICATION
 You must specify one. If more than one category is appropriate, indicate your order of preference by numbers. Be specific.

Title, Author(s),
 Affiliation

MINERALIZATION IN THE CROSSMAN PEAK AREA, MOHAVE MOUNTAINS, ARIZONA
 LIGHT, Thomas D., MARSH, Sherman P., and RAINES, Gary L., U.S.
 Geological Survey, P.O. Box 25046, Denver Federal Center,
 Denver, CO 80225

Body of Abstract

The Crossman Peak area, northeast of Lake Havasu City, Arizona, consists of Precambrian(?) gneisses intruded by dioritic to dacitic dikes. These rocks are overlain by Tertiary volcanic rocks. The area contains gold, silver, tungsten, copper, lead, zinc, barium, and molybdenum occurrences which have been prospected and mined intermittently during the past 100 years.

More than 1000 rock samples from mines and prospects throughout the Crossman Peak area were analyzed for the base- and precious-metal concentrations. The metal assays suggest a zonation from a core of high tungsten and copper values outward through a zone of high gold values, to high silver and lead values, and an outer ring of high manganese values.

The interpretation of computer-processed Landsat images indicated the presence of limonitic materials at a number of localities within the study area. Field examination of these localities, which were coincident with mining activities, revealed several zones of alteration. A central zone of argillic alteration associated with high tungsten and copper values is bounded by a zone of propylitic alteration which includes areas of high gold and high silver-lead values.

The coincident occurrence of limonitic areas and alteration zones together with the apparent zonation of base and precious metals is similar to the pattern associated with porphyry-type mineralization. We hypothesize the presence of buried porphyry-type mineral deposit southeast of Crossman Peak.

- archaeological geology
- coal geology
- economic geology
- engineering geology
- environmental geology
- extraterrestrial geology
- general geology
- geochemistry
- geology education
- geomorphology
- geophysics
- geoscience information
- history of geology
- hydrogeology
- marine geology
- mathematical geology
- micropaleontology
- mineralogy/crystallography
- paleontology/paleobotany
- petrology, experimental
- petrology, igneous
- petrology, metamorphic
- petrology, sedimentary
- Precambrian geology
- Quaternary geology
- sedimentology
- stratigraphy
- structural geology
- tectonics
- volcanology
- other—describe below

Oral Poster Either

Symposium _____
 (title of symposium for which abstract was invited)

PLEASE NOTE: All invited symposium abstracts (original plus two copies) must be sent to the organizers of the respective symposia according to deadlines established by symposium organizers.

Speaker's name Thomas D. Light
 Address U.S. Geological Survey
5946 McIntyre Street
 City Golden State CO Zip 80403
 Office Telephone (303) 234-6170
 Home Telephone (303) 443-4623

GSA MEMBERS
 Fellow/member
 Student Associate

NON-GSA MEMBERS
 Professional
 Student
 Member of Society Associated with GSA
 which _____

Date I can be reached _____

I will be available to serve as a cochairman for a technical session on or concerning: _____

Percentage of this paper previously presented NONE Where and when presented _____

141CC Submittals (1412)
Geol.

GEOFX

3/12/83

Re: Crossman Peak area
Mohave County, AZ.

Dear Mr. Ferdik:

Your ^{undated} circular letter and attached
GSA abstract from attention Mr. G. Heinrichs-
Managers was received yesterday.

My brother, Mr. Gross Heinrichs has his own separate
business ^{also} related to mining development and I will see
that he gets a copy of your submittal.

Meanwhile, ~~our personally associated with other~~
~~mineral development firm called Adit Resources which~~
we could be interested in your 28 claims depending on what
are the claims patented or unpatented,
factual data such as maps, samples, reports, etc., you
may have. If you would care to forward such information
to us ^{on a loan basis} we would be happy to then consider the matter further,
and return the data to you promptly including
Thank you for ~~including~~ us on your submittal
list.

Sincerely,

Heinrich GEOFX Co (Pc)

Walter B. J.

Pres.

CC: E. G. Heinrichs w/ ^{copies:} circular letters & attachments.

Tanenet Mining Corporation
Administrative Office
18 Price Street
West Chester, Pennsylvania
19380

20c
USA



Heinrichs Geoexploration Company
810 West Grant Road P.O. Box 5964
Tucson, Arizona 85703

Mr. G. Heinrichs-Manager