



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](mailto:inquiries@azgs.az.gov)

The following file is part of the Cambior Exploration USA Inc. records

#### **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

#### **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

#### **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

M129  
386

**EHEE PROPERTY**

**MASSIVE SULPHIDE PROSPECT**

James E. Lunbeck  
815 East First South  
Salt Lake City, Utah 84102  
(801) 364-8792

LOCATION

Mazatzal Mountains, Tonto National Forest, Gila and Maricopa Counties, Arizona. T 8 N, R 9 E, sections 27, 28, 29, 32, 33.  
30 miles south of Payson on State Route 87, 6 miles north of highway on Forest Service Road 201.  
Reno Pass and Mazatzal Peak 7 1/2' quads.

LAND

50 contiguous unpatented claims with clear title on Forest Service land. Assessment work current to 1985. Claims not subject to any underlying deals.

PRIOR WORK

No evidence of prior exploration or mining of any kind has been found on the property.

GEOLOGY

Host rocks are 1.8-1.7 b.y. Alder Formation, in Mazatzal Mountains Belt. Sequence of subaqueous felsic-mafic (island arc) volcanics consisting mainly of tuffs, wackes, conglomerates, and exhalites. Extensive quartz crystal tuffs crop out on southeast part of property.  
Exhalites include numerous discontinuous horizons of chert, jasper, and iron formation. A large, deep red, structureless jasper crops out on the ridge at the northwest edge of the claim block.

ALTERATION

Zones of moderate to strong chlorite and carbonate alteration found on property. Local zones in quartz crystal tuff with strong sericite alteration.

STRUCTURE

Host rocks are vertical, striking northeast, and are complexly isoclinally folded with "canoe" structure.

GEOCHEMISTRY

50 rock samples and 120 soil samples on approximately 150-foot spacings show well-defined moderate copper and strong arsenic anomalies parallel to strike. One soil sample contained high gold, not yet confirmed.  
No outcropping gossan. Rare gossan float.

GEOPHYSICS

Dipole-dipole IP-Resistivity surveys with 500-foot and 100-foot dipoles show conducting IP response coincident with copper-arsenic soil anomalies paralleling well-developed exhalite horizon.

DISTRICT MINES

Scattered small mercury mines in vicinity produced approximately 5,000 flasks Hg.  
Storey mine, 6 miles southwest along strike, was a small producer of (syngenetic-type?) gold.  
Copper Camp Creek, 10 miles west-southwest in Mazatzal Wilderness, has small workings in copper-stained gossan, never tested at depth.

MR 1573-A Miss. Pick studies

open file 83-442

Ludwig, Kenneth Raymond

1974 Phd

part I Pe Geo of central Magatzal mts, Az

part II Lead isotope Heterogeneity in Pe

UNIVERSITY MICROFILMS INTERNATIONAL  
 P. O. BOX 1346  
 ANN ARBOR, MICHIGAN 48106  
 TELEPHONE 313/761-4700  
 FTID = 16-0468020

University  
 Microfilms  
 International

↓ SHIP TO ↓

BILL TO  
 JULIA E REID  
 815 E FIRST SOUTH APT 4  
 SALT LK CY UT  
 84102

JULIA E REID  
 815 E FIRST SOUTH APT 4  
 SALT LK CY UT  
 84102

CUST REF PHONE ORDER 2-7-86

PACKING SLIP NO.	PROCESS	PROD. LINE
677772-0011	30	40

CUST REF PHONE ORDER 2-7-86

PACKING SLIP NO.	PROCESS	PROD. LINE
677772-0011	30	40

CATALOG NUMBER	ITEM DESCRIPTION	QUANTITY ORDERED	LINE NO.	BACKORDER CANCELED	DUE DATE	LIST PRICE (IN U.S. \$)	ESTIMATED NET VALUE
7414277 03700	CUSTOMER REFERENCE = PHONE ORDER 2-7-86 LUDWIG KENNETH RAYMOND 0372 BOK  PRIORITY MAIL 4128 878 658 314 EXP 10-87	01	0001		021786		
PACKING SLIP ONLY - INVOICE WILL FOLLOW PLEASE MAKE PAYMENT FROM INVOICE							
						D.H. FEB 17 1986	

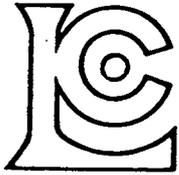
COCD	PACKING SLIP NO.	SHIPPING & HANDLING	DATE SHIPPED	BY	BILL TO CUSTOMER NO.	SHIP TO CUSTOMER NO.	DATE
21	99677772-0011				C034237	C034237	02/10/86

PAGE 01 OF 01  
 PACKING SLIP ONLY

\*\*\*\*\*Z\*A\*\*\*\*\*

NOTICE: TO EXPEDITE INQUIRIES ALWAYS REFER TO PACKING SLIP NO. AND SHIP TO CUST. NO.  
 ESTIMATED NET VALUE DOES NOT INCLUDE TAXES, OR SHIPPING AND HANDLING CHARGES (IF ANY)

ESTIMATED VAL ONLY



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221  
Telex: 043-52597

## CERTIFICATE OF ANALYSIS

TO : NICOR MINERAL VENTURES INC.  
SUITE 12  
2341 S. FRIEBUS AVE.  
TUCSON, ARIZONA  
85713

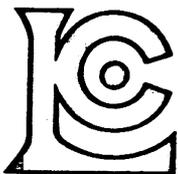
CERT. # : A8613478-001-A  
INVOICE # : I8613478  
DATE : 16-JUN-86  
P.O. # :  
EHEE

ATTN: CLANCY WENDT CC: MIKE DENNIS

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	AS ppm	Au ppb FA+AA
EH-01	205	20	38	49	0.1	160	<5
EH-02	205	15	38	20	0.2	90	<5
EH-03	205	22	1	33	0.1	1400	<5
EH-04	205	53	16	72	0.1	36	<5
EH-05	205	23	5	38	0.1	53	<5
EH-06	205	47	2	52	0.1	300	<5
EH-07	205	80	4	100	0.1	100	<5
EH-08	205	72	2	44	0.1	70	<5
EH-09	205	18	5	38	0.1	25	<5
EH-10	205	33	1	14	0.1	27	<5
EH-11	205	27	12	53	0.1	14	<5
EH-12	205	88	1	57	0.1	140	<5
EH-13	205	65	24	98	0.1	50	<5

VOI rev. 4/85

Certified by *Hart Buchler* .....



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

155 Glendale Ave. No. 7  
Sparks, Nevada  
U.S.A. 89431

Phone: (702) 356-5395

## CERTIFICATE OF ANALYSIS

TO : NICOR MINERAL VENTURES INC.  
SUITE 12  
2341 S. FRIEBUS AVE.  
TUCSON, ARIZONA  
85713

CERT. # : A8613478-001-A  
INVOICE # : I8613478  
DATE : 16-JUN-86  
P.O. # :  
EHEE

ATTN: CLANCY WENDT CC: MIKE DENNIS

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	AS ppm	Au ppb EA+AA
EH-01	205	20	38	49	0.1	160	<5
EH-02	205	15	38	20	0.2	90	<5
EH-03	205	22	1	33	0.1	1400	<5
EH-04	205	53	16	72	0.1	36	<5
EH-05	205	23	5	38	0.1	53	<5
EH-06	205	47	2	52	0.1	300	<5
EH-07	205	80	4	100	0.1	100	<5
EH-08	205	72	2	44	0.1	70	<5
EH-09	205	18	5	38	0.1	25	<5
EH-10	205	33	1	14	0.1	27	<5
EH-11	205	27	12	53	0.1	14	<5
EH-12	205	88	1	57	0.1	140	<5
EH-13	205	65	24	98	0.1	50	<5



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Phone: (604) 984-0221

Telex: 043-52597

\*\*\* INVOICE \*\*\*

To : NICOR MINERAL VENTURES INC.  
SUITE 12  
2341 S. FRIEBUS AVE.  
TUCSON, ARIZONA  
85713

Invoice # : I8613473

Date : 16-JUN-86

P.O. # :

Project EHEE

Invoice for analytical work reported on certificate(s) A8613478-001

Quantity	Analysed for code description	unit price	amount
13	002 - Cu ppm		
	004 - Pb ppm		
	005 - Zn ppm		
	006 - Ag ppm Aqua R		
	013 - AS ppm		
	100 - Au ppb FA+AA	11.00	143.00

Sample preparation and other charges :

13	205 - Rock geochem - RING	2.00	26.00
----	---------------------------	------	-------

-----

TOTAL \$ 169.00

Discount ( 10 %) \$ 16.90

Please pay this amount U.S. \$ 152.10

=====

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts

## Notes on EHEE Prospect

- 1) stratigraphy dominated by shales, calcareous tuffs and occasional coarse clastics
- 2) within sed. sequence - several thin 1-10' thick oxide banded iron formations, some contained bound magnetite (IP response?)
- 3) Major lithotectonic break separates tuff-shale-bit sequence from overlying <sup>thick</sup> purple shale - boundary marked by chert-bit w/ weak Cu-As soil sample anomalies
  - a) IP anomaly ~~occurs~~ <sup>slight</sup> occurs along strike of contact and slightly to the south
- 4) 13 samples taken
- 5) soil sample containing 0.15 opt Au occurs along bulldozed fire break - ~~was~~ difficult to determine source of anomaly
  - b) very poor exposure
- 7) structure ~~is~~ probably isoclinal folds w/ very steeply plunging axis - can see <sup>thick</sup> in small bit exposures
  - a) may explain abundance of many thin, lenticular bits
  - b) area underlain by Pine Mtn. <sup>felsic</sup> porphyry - may represent emplacement of dome or shallow sub volcanic intrusive, no ~~more~~ work to confirm
- 8) alteration dominated by weak regional chlorite w/ small areas of intense chloritic & sericite alt. of calcareous tuffs & coarse clastics

July 7, 1986

Mr. James E. Lunbeck  
815 East First South  
Salt Lake City, Utah 84102

Dear Mr. Lunbeck,

Thank-you for allowing NICOR to examine  
the EHEE property. Enclosed is a copy of  
the geochemical results from samples taken on June 3.  
~~Reasonable values~~ ~~Overall, the geochemical values~~  
~~are~~ ~~low~~ The lack of anomalous  
geochemistry ~~precludes~~ precludes our interest in  
the property.

Please don't hesitate to contact us <sup>in the future</sup> concerning  
other properties you're involved with. The enclosed  
invoice may be used toward assessment work.

Sincerely,

Michael D. Dini

CONFIDENTIALITY AGREEMENT

This agreement is made between:

JAMES E. LUNBECK, hereinafter referred to as J.E.L., of 815 East First South, Salt Lake City, Utah 84102; and

Clarence Wendt  
of WICOR

hereinafter referred to as COMPANY.

In order that COMPANY may evaluate the EHEE property in Gila + MARICOPA County, ARIZONA, J.E.L. agrees to furnish to COMPANY certain information that is either non-public, confidential, or proprietary in nature, including maps, records, geochemical and geophysical results, and other data, hereinafter referred to as Project Information, or P.I..

Analyses, compilations, studies, or other documents prepared by COMPANY, its agents or employees, that contain or otherwise reflect P.I., are hereinafter made part of P.I.. In addition, COMPANY'S review of, interest in, and intentions regarding this property are hereinafter made part of P.I..

It is agreed that:

1. P.I. will be kept confidential and shall not be disclosed by COMPANY, its agents, or employees without the prior written consent of J.E.L.. COMPANY'S obligations of confidentiality shall not extend to any P.I. that is now or subsequently becomes part of the public domain through no fault of COMPANY'S.
2. COMPANY shall transmit P.I. only to its agents or employees as necessary for the purposes of evaluation and shall inform them of its confidential nature. COMPANY hereby warrants that P.I. will be held inviolate and confidential.
3. No copies shall be made of P.I. furnished by J.E.L. without his prior written consent. All copies thereof shall belong to and be returned to J.E.L..
4. All P.I. furnished by J.E.L. shall be returned upon request or immediately following COMPANY'S notification

to J.E.L. that COMPANY does not intend to acquire an interest in this property. All P.I. that is prepared by COMPANY shall be held by COMPANY and kept confidential and subject to the terms of this Agreement, or destroyed.

5. COMPANY will not acquire any real property interest or mining rights within the Area of Interest for a period of 18 months from the date of this Agreement without the prior written consent of J.E.L.. The Area of Interest is hereby defined as the area within 2000 feet of any part of the EHEE #1-50 claims, as defined in the legal descriptions of the EHEE #1-50 claims that are contained in the location notices filed with the Bureau of Land Management Office in Phoenix, ARIZONA, and are appended as Appendix A of this Agreement.
6. COMPANY'S obligations under this Agreement will terminate 18 months from the date hereof.
7. Nothing herein shall be construed as creating a client-broker or similar relationship, nor shall any sales fee or finder's fee be payable by J.E.L. to COMPANY.
8. J.E.L. makes no warranties, express or implied, concerning the validity, accuracy, or completeness of P.I..

Agreed upon this 9 day of May, 1986,

By

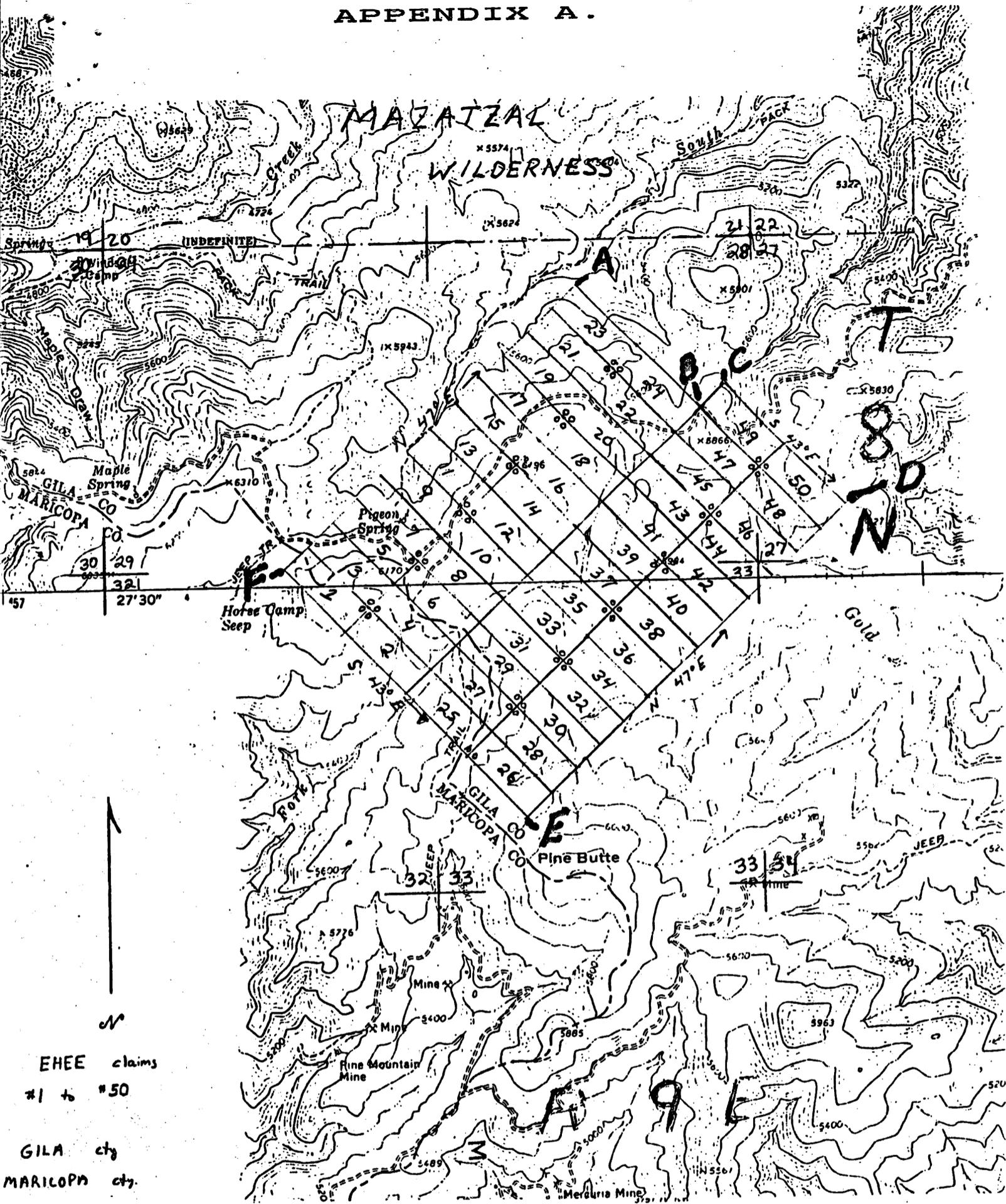
James E. Lunbeck

JAMES E. LUNBECK

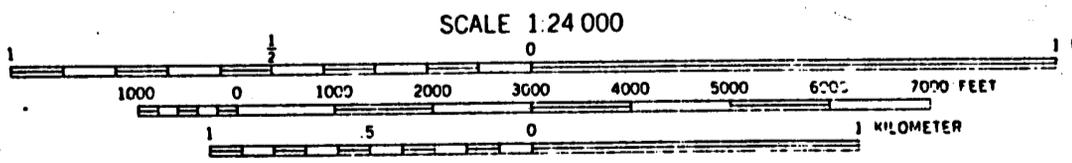
and

Clayton  
Northern Mineral Ventures  
Sucson Arizona 85713

APPENDIX A.



ARIZONA  
 unsurveyed  
 T 8N R 9E,  
 G + SR B + M



The boundaries of the EHEE #1-50 lode claims (AMC #200424-457 and #224302-317) are defined by straight lines connecting points A-F, as shown on the map above. The distances from surveyed point 6196 @ approximately 34° 00' 20'' N and 111° 26' 36'' W as located on the USGS Mazatzal Peak topographic sheet (7 1/2 minute series) to each point is as follows:

Point A is	2900 feet North	and	1056 feet East	of Point 6196.
Point B is	852 feet North	and	2966 feet East	of Point 6196.
Point C is	1227 feet North	and	3368 feet East	of Point 6196.
Point D is	821 feet South	and	5277 feet East	of Point 6196.
Point E is	5698 feet South	and	48 feet East	of Point 6196.
Point F is	1602 feet South	and	3771 feet West	of Point 6196.