



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.

9 S 12 E 7 SE

C 2

REPORT DATE: AUG 8, 1991  
ADMINISTRATIVE STATE: ARIZONA

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

PAGE NO: 12076  
PCN: L1892PPI

GEOGRAPHIC INDEX  
ALL CLAIMS

MERIDIAN: GILA-SALT R.

TOWNSHIP	RANGE	SEC	SUBDY	CLY	DIST	SERIAL NO.	CASE TYPE	CLAIM NAME/NUMBER	CLAIMANT(S)	LEAD FILE	COUNTY BOOK:PAGE	LOCATION DATE	LATEST ASSMT-YR	CASE CLOSED
9 S	12 E	7 SE		21	2	119255 PL	PADRE NO #59		HARRIS CLARENCE HARRIS KENNITH	119245 1036:2		11/14/1980	0000	8/02/1982
									SHOTTEL RUBY GARNER LINDIE GARNER JAMES	119245 1036:3		11/14/1980	0000	8/02/1982
									HARRIS KAREN HARRIS SHIRLEY SOUTHERN JOHN					
									HARRIS CLARENCE HARRIS KENNITH SHOTTEL RUBY					
8 SE				21		151770*PL	MAG #179		MATHIS R W MATHIS LONA MATHIS R W IV	151769 1096:510		12/30/1981	1990	
									FUERST MARJORIE FUERST WILLIAM WHITE WADE					
									WELSH B TROUP ANITA					
9 SW				21		151771*PL	MAG #180		MATHIS R W MATHIS LONA MATHIS R W IV	151769 1096:512		12/30/1981	1990	
									FUERST MARJORIE FUERST WILLIAM WHITE WADE					
									WELSH B TROUP ANITA					
12 NW				21		151783*PL	MAG #192		MATHIS R W MATHIS LONA MATHIS R W IV	151769 1096:536		12/31/1981	1990	
									FUERST MARJORIE FUERST WILLIAM WHITE WADE					
									WELSH B TROUP ANITA					
NE				21		151784*PL	MAG #193		MATHIS R W MATHIS LONA MATHIS R W IV	151769 1096:538		12/31/1981	1990	
									FUERST MARJORIE FUERST WILLIAM WHITE WADE					
									WELSH B TROUP ANITA					
15 NE				21		248939*LD	GREEN COPPER #1		TROUP ANITA BURKHARDT GLYNN	248939 1341:503		1/02/1986	1990	

\* \* DISCLOSURE \* \* ALL INFORMATION RECEIVED IN THIS OFFICE MAY NOT YET BE LISTED ON THIS REPORT. NAMES AND ADDRESSES ARE ENTERED AS THEY APPEAR ON THE LOCATION NOTICE OR ARE ABBREVIATED TO FIT LIMITED SPACE; THEREFORE THEY MAY NOT APPEAR IN THE EXPECTED SEQUENCE. A BLANK LATEST ASSESSMENT YEAR IN THIS REPORT DOES NOT CONSTITUTE AN ABANDONED CLAIM. \* AFTER S/N INDICATES LAND STATUS CHECKED.

9 S 12 E 15 NE

D 2

REPORT DATE: AUG 8, 1991  
ADMINISTRATIVE STATE: ARIZONA

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

PAGE NO: 12077  
PCN: LT892pp1

GEOGRAPHIC INDEX  
ALL CLAIMS

MERIDIAN: GILA-SALT R.

-LEGAL DESCRIPTION-		GEO BLM	SERIAL	CASE	CLAIM NAME/NUMBER	CLAIMANT(S)	LEAD	COUNTY	LOCATION	LATEST	CASE	
TOWNSHIP	RANGE	SEC	SUBDY	CTY	DIST	NO.	TYPE	FILE	BOOK:PAGE	DATE	ASSMT-YR	CLOSED
9 S	12 E	15 NE	2	248939	LD	GREEN COPPER #1	BURKHARDT LOIS	248939	1341:503	1/02/1986	1990	
				248940	LD	GREEN COPPER #2	BURKHARDT GLYNN	248939	1341:505	1/02/1986	1990	
				248941	LD	GREEN COPPER #3	BURKHARDT LOIS	248939	1341:507	1/02/1986	1990	
				248942	LD	GREEN COPPER #4	BURKHARDT LOIS	248939	1341:509	1/02/1986	1990	
				248943	LD	GREEN COPPER #5	BURKHARDT LOIS	248939	1341:511	1/02/1986	1990	
17 NW			21	151772	PL	MAG #181	BURKHARDT LOIS	151769	1096:514	12/30/1981	1990	
				151773	PL	MAG #182	WELSH B WHITE WADE	151769	1096:516	12/30/1981	1990	
				151774	PL	MAG #183	MATHIS LONA MATHIS R W IV FUERST MARJORIE FUERST WILLIAM WHITE WADE WELSH B TROUP ANITA	151769	1096:518	12/30/1981	1990	
18 NE			21	83753	PL	ARKOTA #107	ARIZONA IRON RANGE	83669	428:239	9/01/1965	1990	
SE			21	83754	PL	ARKOTA #108		83669	428:240	9/01/1965	1990	
NE			21	83819	PL	A I M #1		83669	574:303	7/11/1969	1987	8/26/1988
W2			21	83820	PL	A I M #2		83669	574:304	7/11/1969	1987	8/26/1988
W2			21	83821	PL	A I M #3		83669	574:305	7/11/1969	1987	8/26/1988
S2			21	83822	PL	A I M #4		83669	574:306	7/11/1969	1987	8/26/1988
19 NE			21	83753	PL	ARKOTA #109		83669	428:241	9/01/1965	1990	
S2			21	83756	PL	ARKOTA #110		83669	428:242	9/01/1965	1990	
N2			21	83757	PL	ARKOTA #111		83669	428:243	9/01/1965	1990	
W2			21	83758	PL	ARKOTA #112		83669	428:244	9/01/1965	1990	
S2			21	83759	PL	ARKOTA #113		83669	428:245	9/01/1965	1990	
25 NW			21	103836	LD	MIMACHAEITA	BASS J S ADAMS J P BASS J S ADAMS J	5/28/1980		0000	5/02/1983	
NW			21	124477	LD	MINA CHACITA #2		2/10/1981		1982	5/02/1983	

\*\* DISCLOSURE \*\* ALL INFORMATION RECEIVED IN THIS OFFICE MAY NOT YET BE LISTED ON THIS REPORT. NAMES AND ADDRESSES ARE ENTERED AS THEY APPEAR ON THE LOCATION NOTICE OR ARE ABBREVIATED TO FIT LIMITED SPACE; THEREFORE THEY MAY NOT APPEAR IN THE EXPECTED SEQUENCE. A BLANK LATEST ASSESSMENT YEAR IN THIS REPORT DOES NOT CONSTITUTE AN ABANDONED CLAIM. \* AFTER S/N INDICATES LAND STATUS CHECKED.

the demand is especially great for the type of copper concentrate that is to be produced by Enterprise Copper Corporation; often such concentrate can be sold at premium prices. For these reasons it now appears economically feasible to mine the Blue Hill and Big Bull copper orebodies.

It is planned that additional exploration will be done on the Blue Hill and Big Bull deposits and on other deposits in the district in an effort to increase the known reserves of ore and to bring new copper mines into production. After the Big Bull and Blue Hill deposits are prepared for production another exploration program will be undertaken on a property which lies along Suizo Wash about six miles southeast of the Blue Hill deposit. This property consists of a large group of claims known as the Burkhardt claims, all of which are controlled by the Enterprise Copper Corporation. On this property copper minerals similar to those found in the Big Bull and Blue Hill deposits are exposed in outcrops scattered over a relatively large area. The copper content of 36 samples cut at random from outcrops of the mineralized zone averaged 0.96 percent. It seems probable that exploration might result in the discovery of considerable copper ore; possibly on the order of a couple million tons or more. This is classed as a potential future source of ore as interpreted from favorable geological conditions.

#### Conclusions

The Blue Hill and Big Bull copper deposits contain a moderate reserve of copper ore that can be mined and treated economically by modern processes to recover a high-grade copper concentrate. There is a good market for this high-grade copper concentrate at firm prices; therefore, it appears feasible to develop and mine both the Big Bull and Blue Hill copper deposits at the present time. In addition to mining copper ore it will be possible to produce considerable architectural stone for the construction trade if market studies indicate sufficient need for this type of material. Other potential sources of ore exist in the Owl Head district and the ore reserves should be increased significantly by future exploration.

Respectfully submitted,

*John N. Faick*  
John N. Faick, Ph. D.  
Registered Geologist

Tucson, Arizona  
March 7, 1969



GEOLOGY OF THE PALO VERDE RANCH AREA,  
OWL HEAD MINING DISTRICT,  
PINAL COUNTY, ARIZONA

by

Steven Applebaum

---

A Thesis Submitted to the Faculty of the  
DEPARTMENT OF GEOSCIENCES  
In Partial Fulfillment of the Requirements  
For the Degree of  
MASTER OF SCIENCE  
In the Graduate College  
THE UNIVERSITY OF ARIZONA

1 9 7 5

GEOLOGY OF THE OWL HEAD MINING DISTRICT,  
PINAL COUNTY, ARIZONA

by

Charles F. Barter

---

A Thesis Submitted to the Faculty of the  
DEPARTMENT OF GEOLOGY  
In Partial Fulfillment of the Requirements  
For the Degree of  
MASTER OF SCIENCE  
In the Graduate College  
THE UNIVERSITY OF ARIZONA

1962