



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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.

PRINTED: 05/24/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLACK HILLS

ALTERNATE NAMES:

REUSS PROPERTY
CLARK BROTHERS PROPERTY

PINAL COUNTY MILS NUMBER: 133

LOCATION: TOWNSHIP 10 S RANGE 18 E SECTION 19 QUARTER SW
LATITUDE: N 32DEG 32MIN 38SEC LONGITUDE: W 110DEG 32MIN 37SEC
TOPO MAP NAME: PEPPERSAUCE WASH - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

CALCIUM LIMESTONE
LEAD
VANADIUM
GOLD
MOLYBDENUM
STONE LIMESTONE CB

BIBLIOGRAPHY:

ADMMR BLACK HILLS FILE
USBM U FILE
A.L. FLAGG, VANADIUM REPORTS BOOK V-IV
ADMMR BLACK HILLS LIMESTONE QUARRY FILE
ELEVATORSKI, E.A., AZ. INDUSTRIAL MINERALS,
1980, P. 55
GEO FILE - MIERITZ, RICHARD, 1970

References: A.L. Flagg uranium reports - Book U-IV
USBM "U" file

NAME OF MINE: BLACK HILLS
OWNER:

COUNTY: Pinal
DISTRICT: ✓
METALS: Pb, Vd, Mo

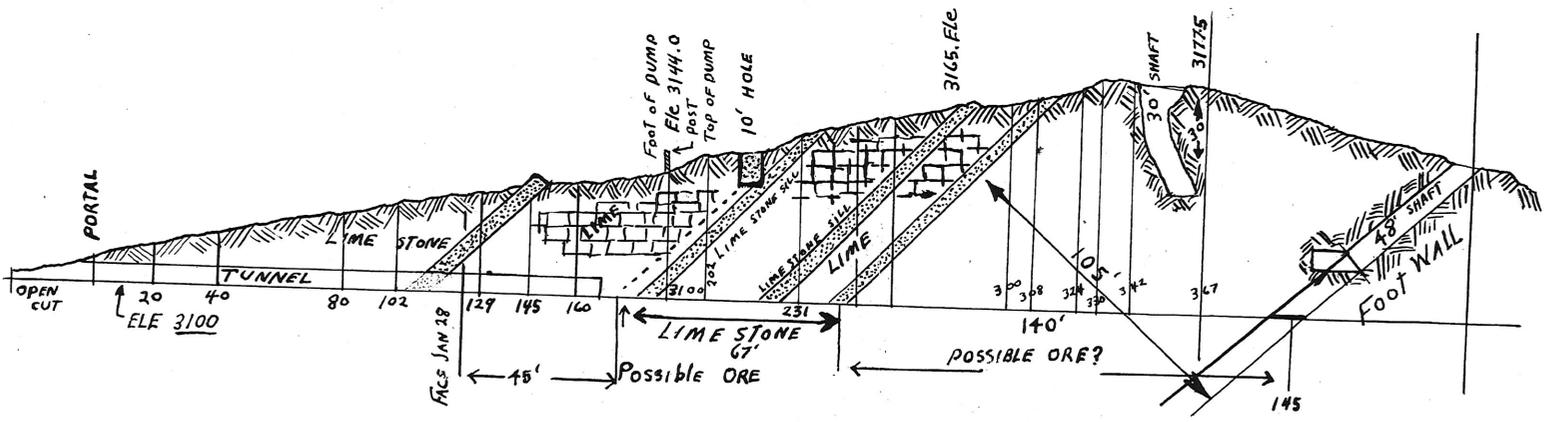
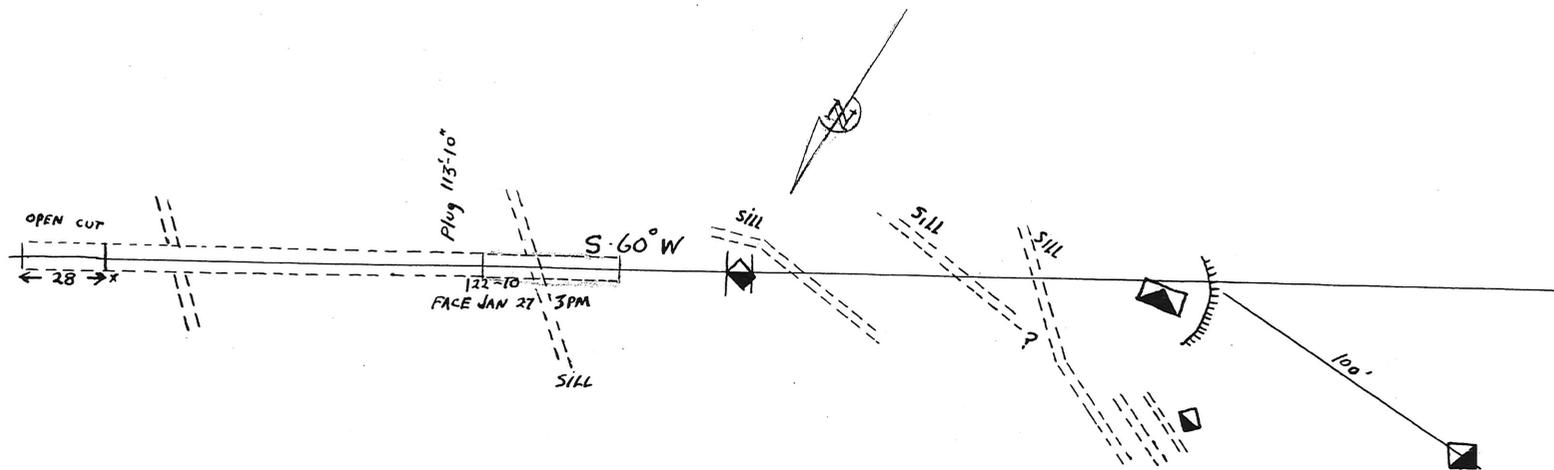
OPERATOR AND ADDRESS		MINE STATUS	
Date:		Date:	
1/45	W.O. Reuse & Oscar F. Mahler, Oracle (Box 55)	1/45	Developing
		5/45	Idle

BLACK HILLS

PINAL COUNTY

A. L. Flagg vanadium reports - Book V-IV
(Black Hills Group)

USBM "U" file - vanadium low grade



JAN 28TH/46

Jeb

SCALE 1"=50'
SKETCH FURNISHED BY OWNER

Plan & Cross section of Black Hills Group, Pinal County, Arizona

PLAN & CROSS SECTION OF BLACK HILLS GROUP - PINAL COUNTY

TRIM LINE ↑
Sketch furnished by owner.

462-1017 Lead

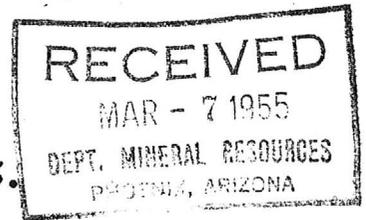
BLACK HILLS

PINAL COUNTY

MG WR 1/28/83: The Magma Copper Co. owns the original Black Hills Mine, Pinal County and its associated patented claims covering most of the west half of Section 19, T10S R18E. The company also owns all of the adjacent Section 24, T10S R17E; in the NE $\frac{1}{4}$ of this section lies the current Black Hills limestone quarry where, according to company officials, enough limestone has been mined and stockpiled to last some 10 years.

pc

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine Black Hills Group

Date March 3, 1955.

District Mammoth District -----Pinal Co.

Engineer Axel Lk. Johnson

Subject: Field Engineers Report. Information from owners, Mr. Burney and Mr. Clark. No visit.

Location About 4 miles south of San Manuel townsite, and also 4 miles from the San Pedro River. In what is called the Black Hills.

Number of Claims 5 unpatented claims. Claims located 25 years ago for other minerals.

Owners Emmett Burney, Box 114, Mammoth, Ariz.
✓ Harry Clark, Gen. Del., Mammoth, Ariz.

Operators Not in operation.

Principal Metals and Minerals ✓ Limestone.

Geology Owners report an outcrop of limestone rock about 600' x 4500', and limestone all the way in a drill hole 375 ft. deep.

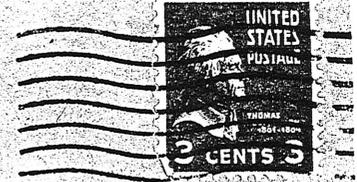
Ore Values No analyses made on the limestone to date.

Milling and Marketing Facilities Owners are looking for a market for the material, and is contemplating the installation of a lime kiln.

Present Mine Workings 1 diamond drill hole---- 375 ft. deep, showing limestone the entire distance. Owners drilled the hole with their own diamond drill rig, using AX core.

Proposed Plans Operators wish to sell the limestone or lime to the San Manuel Copper Corp. by selling the limestone as mined, or by installing a lime kiln to treat the limestone.

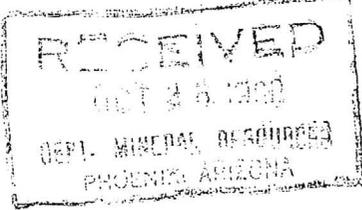
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
304 HOME BUILDERS BUILDING
PHOENIX, ARIZONA



REASON CHECKED
Unclaimed Refused
Unknown
For better address
Moved, Left no address
No such office in state

Black Hills

Mr. W. O. Reuse
~~Box 55~~
~~Co.~~ Arizona



DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

Date Oct 22 - 60

1. Mine: B. Lack Hills Group
2. Location: Sec. Twp. Range. Nearest Town San Manuel Distance 6 miles
 Direction South Nearest R.R. San Manuel Distance 6 miles
 Road Conditions Fair
3. Mining District and County: Old Hat Pinal County
4. Former Name of Mine: Not known
5. Owner: E. Bennett Burney, T. J. Clark
 Address: Box 114 Maricopa Ariz.
6. Operator:
 Address:
7. Principal Minerals:
8. Number of Claims: Lode 5 Patented Unpatented
 Placer Patented Unpatented
9. Type of Surrounding Terrain: Lime Stone
10. Geology and Mineralization: Molybdenum Vanadium Lead -
Gold Lime Stone
All are in Opide Formation
11. Dimension and Value of Ore Body: unknown

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)

Sec 19 T10S R18E

12. Ore "Blocked Out" or "Bright": *Ore on surface of Prospect*

Ore Probable: *unknown*

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts <i>2</i>	<i>035' @ .56'</i>	<i>Can Enter Any Time with Rope</i>
Raises <i>None</i>		
Tunnels <i>1</i>	<i>165'</i>	<i>Open Good Shape</i>
Crosscuts <i>None</i>		
Stopes <i>None</i>		

14. Water Supply: *None have to haul water 4 miles to property*

15. Brief History: *Not known*

16. Remarks:

17. If Property for Sale, List Approximate Price and Terms: *As per sale - or Lease we have never set any price*

18. Signature: *Emmett Barney J. Clark*

Black Hills

January 5, 1945

✓ Mr. Oscar F. Mahler
Box 55
Oracle, Arizona

Dear Mr. Mahler:

We have received your gas application
and take pleasure in approving same and returning
herewith.

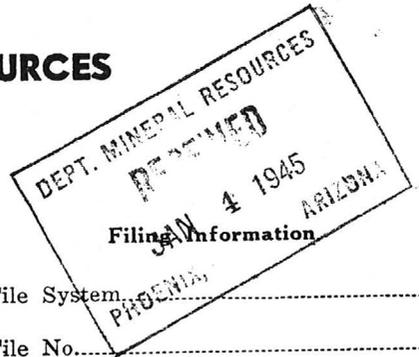
Yours very truly,

Chas. H. Dunning
Director

CHD:LP
Enc.

DEPARTMENT OF MINERAL RESOURCES

**REPORT TO OPA ON
ACTIVE MINING PROJECT**



Date January 4, 45

Name of Mine Black Hills

Owner or Operator W. O. Reuss & Oscar Mahler

Address Box 55 Oracle Ariz

Mine Location 7 1/2 Miles So. East of Oracle Ariz

File System.....

File No.....

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing.....; Sale of mine.....;

Experimental (sampling).....; Owner's occasional trip.....;

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here X near future

None
X near future

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>38 Chrysler</u>	<u>1250</u>	<u>1250</u>
Light or Service Trucks	<u>We use the Chrysler also</u>	<u>as Light Trucks</u>	
Ore Hauling Trucks			
Compressors	<u>105 Cu ft Ingersoll Rand</u>	<u>But we</u>	
Other Mine or Mill Eqpt.	<u>Have Gas tickets for this</u>		

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead - Vanadium & Molybdenum

REMARKS:

.....
.....
.....
.....

By [Signature]

*See see Best
McFarlane
[Signature]*

DEPARTMENT OF MINERAL RESOURCES

**REPORT TO OPA ON
ACTIVE MINING PROJECT**

Date Oct 17- 1944
Name of Mine Black Hills
Owner or Operator WVO Rouse
Address Box 55 Oracle, Ariz
Mine Location Near Oracle Ariz

Filing Information
File System.....
File No.....
This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production.....; Development ; Financing.....; Sale of mine.....;
Experimental (sampling).....; Owner's occasional trip.....;
Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months
Approx. present rate per 3 months
Anticipated rate next 3 months
If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars
Light or Service Trucks
Ore Hauling Trucks
Compressors	<u>35</u>	<u>200</u>	<u>550</u>
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead

REMARKS:

a worth while development

By Chert Downing

WESTERN MACHINERY COMPANY

OFFICES AND WAREHOUSES

SAN FRANCISCO, CALIFORNIA
LOS ANGELES, CALIFORNIA
SACRAMENTO, CALIFORNIA
SALT LAKE CITY, UTAH
SPOKANE, WASHINGTON
DENVER, COLORADO
WASHINGTON, D. C.
PHOENIX, ARIZONA
NEW YORK, N. Y.

"Wemco Products"

TELEPHONE 3-4101
1025 SOUTH CENTRAL AVENUE
P. O. BOX 1652
PHOENIX, ARIZONA



CABLE ADDRESS
"WEMACHY"

Oct 17th-44

TO Mr. W. O. Reuss, Mining Engineer,
Box 55
Oracle, Arizon

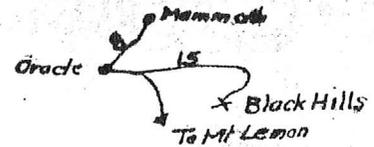
Information for obtaining non-highway gasoline for Equipment.

- 1 - 105 cu ft. Ingersoll Rand Model GK Portable Compressor.
Horse Power Required including auxiliaries 26.5
Horse Power available 35.
Equipped with Waukesha Four Cylinder Gasoline Engine.
Normal Fuel Consumption $2\frac{1}{2}$ to 3 Gallons per hour.

WESTERN MACHINERY CO.

J. R. Keller
J. R. Keller.

*Chas Dunning
Home Builders Bld.
128 North 1st and*



BLACK HILLS LEAD PROSPECT File 32-110-3-3
 Old Hat Mining District
 Pinal, Pima County, Arizona.

Pinal
 Owner: W. O. Reuss, Box 573, Tucson, Arizona.

Mr. Reuss and his partner acquired the Black Hills property several years ago. They built a road to it, constructed a camp, and equipped it with a small compressor and accessory tools. The partners then spent nearly two years developing the area. The chief work is a crosscut tunnel about 200 feet in length. Development a abandoned when the partners ran out of funds to carry on.

Geology:

The Black Hills prospects are in Pennsylvanian limestone and just above the Escabrosa formation. Ore occurs in cherty and impure limestone beds which have been further silicified. Local brecciation marked by a little lead dissimination in narrow bands and some vanadnite in the breccia was observed in several shallow workings. The structure is a simple monocline with little cross structures. The axis of the monocline is N 55 W and dip 40-50 east. Some sheeting was noted.

The limestone section exposed was 500 to 1000 feet wide and about 1 mile long.

Values from Reuss Samples:

1. East shaft dump	Au .04,	Ag 5.0,	Pb 2.75%,	V ₂ O ₅ 1.00%,	MoO ₃ 1.76
2. West shaft dump	.02	1.9	0.75	1.50	1.96
3. " " "	.02	2.58	.60	1.2	0.47
4. Bottom West shaft	.10	2.98	.50	1.1	0.66

Sample by Hernon					
Bottom west shaft	.005	1.5	1.4,	Zn 0.3	Cu 0.12

Reuss' samples show a total of 4.60 units lead and 9.65 units of combined vanadium and molybdenum. This is about 8 units in excess of the theorretical amount which the lead content can satisfy.

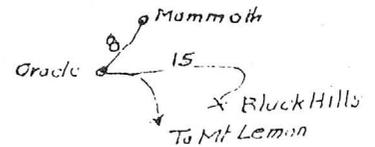
Remarks:

The ore values encountered from present development of the Black Hills Prospect is very low. Mineralization is typical of other prospects in this region.

March 1947

H.S.

 Hernon and Stone



BLACK HILLS LEAD PROSPECT File 32-110-3-3
 Old Hat Mining District
 Pima County, Arizona.

Owner: W. O. Reuss, Box 573, Tucson, Arizona.

Mr. Reuss and his partner acquired the Black Hills property several years ago. They built a road to it, constructed a camp, and equipped it with a small compressor and accessory tools. The partners then spent nearly two years developing the area. The chief work is a crosscut tunnel about 200 feet in length. Development was abandoned when the partners ran out of funds to carry on.

Geology:

The Black Hills prospects are in Pennsylvanian limestone and just above the Escabrosa formation. Ore occurs in cherty and impure limestone beds which have been further silicified. Local brecciation marked by a little lead dissemination in narrow bands and some vanadinite in the breccia was observed in several shallow workings. The structure is a simple monocline with little cross structures. The axis of the monocline is N 55 W and dip 40-50 east. Some sheeting was noted.

The limestone section exposed was 500 to 1000 feet wide and about 1 mile long.

Values from Reuss Samples:

1. East shaft dump	Au .04,	Ag 5.0,	Pb 2.75%,	V ₂ O ₅ 1.00%,	MoO ₃ 1.76
2. West shaft dump	.02	1.9	0.75	1.50	1.96
3. " " "	.02	2.58	.60	1.2	0.47
4. Bottom West shaft	.10	2.98	.50	1.1	0.66

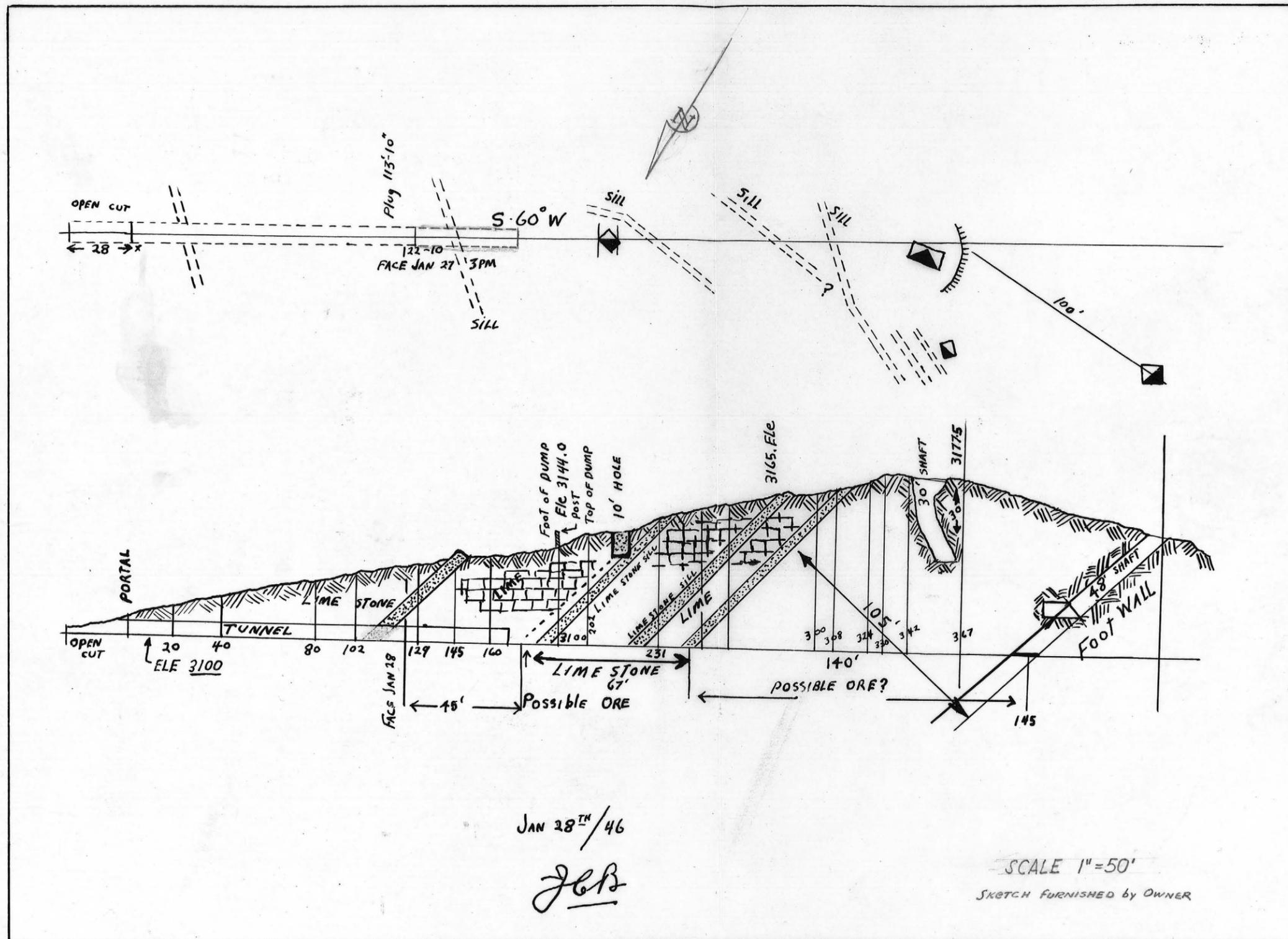
Sample by Hernon
 Bottom west shaft .005 1.5 1.4, Zn 0.3 Cu 0.12

Reuss' samples show a total of 4.60 units lead and 9.65 units of combined vanadium and molybdenum. This is about 8 units in excess of the theoretical amount which the lead content can satisfy.

Remarks:

The ore values encountered from present

1. Black Hills Lead Prospect
2. Old Hat Mining District, Pima County, Arizona
3. W. O. Reuss, Partner
4. Messrs. Hernon and Stone
5. Sometime in March, 1947
6. Lead
7. The ore values encountered from present development of the Black Hills Prospect is very low. Mineralization is typical of other prospects in this region.
8. _____



Plan & Cross section of Black Hills Group, Pinal County, Arizona

PLAN & CROSS SECTION OF BLACK HILLS GROUP - PINAL COUNTY

TRIM LINE ↑
Sketch furnished by owner.

46.2/1007 Lead