

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.

PRIN : 07-08-2010

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GRAY METALS

ALTERNATE NAMES:

ANGEL OWL GROUP LARD BUCKET OWL LODE

MARICOPA COUNTY MILS NUMBER: 260

LOCATION: TOWNSHIP 6 N RANGE 6 W SECTION 5 QUARTER C LATITUDE: N 33DEG 53MIN 34SEC LONGITUDE: W 112DEG 54MIN 16SEC TOPO MAP NAME: VULTURE MOUNTAINS - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER SULFIDE COPPER OXIDE TUNGSTEN

BIBLIOGRAPHY: ADMMR GRAY METALS MINE FILE ADMMR LA MINE MINE FILE

05/07/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: GRAY METALS

ALTERNATE NAMES:

ANGEL OWL GROUP

47

MARICOPA COUNTY MILS NUMBER: 260

LOCATION: TOWNSHIP 6 N RANGE 6 W SECTION 5 QUARTER C LATITUDE: N 33DEG 53MIN 34SEC LONGITUDE: W 112DEG 54MIN 16SEC TOPO MAP NAME: VULTURE MTS - 15 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

COPPER SULFIDE COPPER OXIDE TUNGSTEN

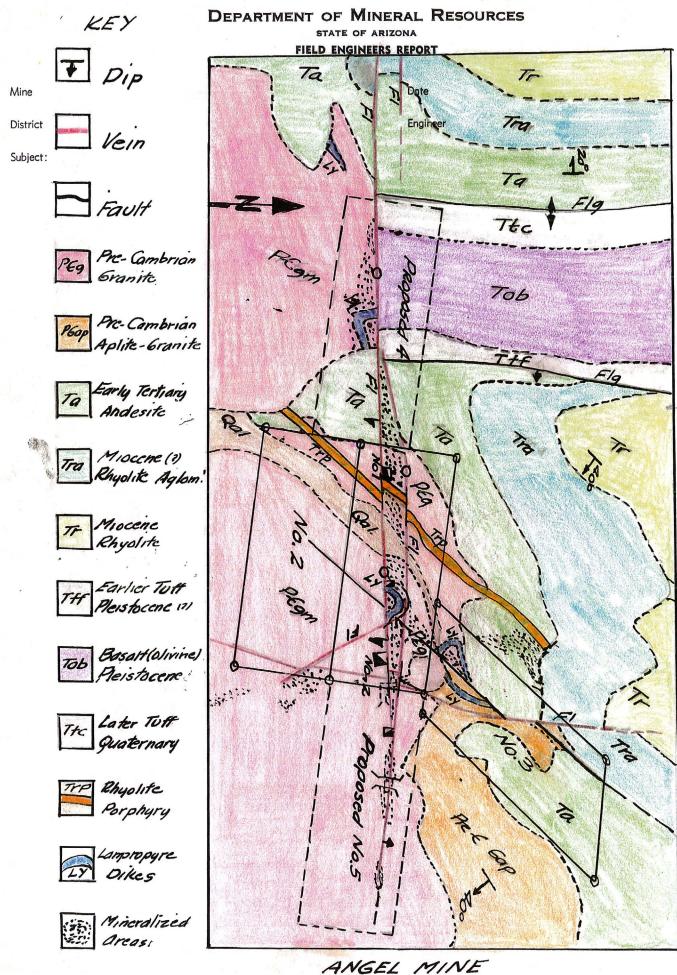
BIBLIOGRAPHY:

ADMMR GRAY METALS MINE FILE ADMMR LA MINA MINE FILE

REFERENCES

MILS Sheet sequence number 0040130312

La Mina Mine (file) several reports refer to both mines



GEOLOGICAL SKETCH MAP

GRAY METALS MINE (Angel Mine) Maricopa County, Vulture Dist.

June 6, 1961 - Visited Mr. Kinnon's Angel Mine in the Vulture district some ll miles westerly from Wickenburg and about 5 miles north of the Vulture mine. This deposit was described by Lewis Smith in a report dated Dec. 23, 1957. Since his visit some dozer trenching has been done and one area has been stripped. The latter exposes the croppings of the two narrow and closely parallel vein-dikes as they course eastward down slope from the top of a low hillcrest between the main east and west shafts. The croppings of the veins show some quartz with oxidized copper mineralization and a little chalcocite. The stripped area is about 200' long, and Mr. Kinnon plans to drive in on the veins on a floor which will give about 40' of depth below a shallow pit in the south vein on the crest of the divide.

TRAVIS P. LANE - Weekly Report - 6-10-61

Ken Phillips and I drove to lode claims owned by Bill Kinnon and others in the Wickenburg area. VBD WR 3/5/75

Date

Engineer

Mine Angel Mine

December 23, 1957

Lewis A. Smith

District Vulture Dist. Maricopa Co.

Subject: Mine Examination

Location: Sec. 5, T 6 N, R 6 W, 5 miles north of the old Vulture Mine and 11 miles west of Wickenburg, in the northwest foothills of the Vulture Mountains.

Owner:

Geology:

W. C. Kinnon, 28 E. Catalina, Phoenix, Ariz. (Tel 5-2323)

Workings: There are two main shafts, one on the East end of the main claim, and one near the west end line. The west shaft is 150 feet deep and the east shaft is 100 plus feet. ^Neither is now accessible to the bottom. The local water table was not reached in either shaft. There are several cuts and shallow shafts, as well as several hundred feet of drifts.

> The deposit occupies a pair of parallel faults which are about 60 to 90 feet apart and which strike nearly east-west. The country rock is mainly a granitic rock which probably is monzonite. However, this granitic rock differentiates into an aplitic-ribbed quartz-nica granite to the north of the vein faults. The ore is localized by transverse graniteporphyry dikes, or by faults and shears. The vein matter is partly quartz and partly monzonitic Fragments. However, locally, the dikes may be impregnated by chrysocolla, cuprite or brochantite as is the quartz near the surface. According to the owner the veins vary from a few inches up to several feet in width. The quartz veins narrow some, in depth, but change to breeciated chalcocite and gangue. The chalcocite, 50 feet below the surface at the 100 foot shaft, shows a thin coating of cuprite. The two shafts are roughly 1200 feet apart and have at least 700-800 feet of undeveloped area between the worked areas. This area lies under a cap of 20-25 feet of augite andesite. which in turn is overlain by a considerable thickness of rhyolite and rhyolitic agglomerate to the north and west. The granitic rocks occupy a large low-relief area south and east of the veins, extending at least 3 miles east of the claim. This same group doubtless, also underlies the the flows to the north and west, optcropping in small areas in the deeper washes. The vein fractures extend well to the east from the claims but have been little prospected.

Since the chalcocite in the veins does not bottom in the shafts, and since the local water table has not yet been encountered, it would seem plausable that the enriched material should have greater vertical depth than has yet been attained. Unprospected cross structures were found, between the two shafts, which probably would bear further prospecting.

Scheelite bearing quartz was encountered in a cut east of the 100-foot shaft but this occurrence has, thus far, not been developed.

Mine

Angel Mine

District

+

Subject:

Engineer

Date

Page 2

A branch, or intersecting Vein meets the main vein at the 100-foot shaft. This vein is narrow and erratic in width. It trends N $\downarrow0^{\circ}E$ and dips steeply to the east. 800' from the main vein it appears to horsetail into narrow stringer lodes, which are not of commercial grade.

The accompanying sketch map shows the major features of the property.

Mine Angel MineDateDecember 23, 1957District Vulture Dist. Maricopa Co.EngineerLewis A. SmithSubject:Mine ExaminationSubject:

Location: Sec. 5, T 6 N, R 6 W, 5 miles north of the old Vulture Mine and ll miles west of Wickenburg, in the northwest foothills of the Vulture Mountains.

Owner:

W. C. Kinnon, 28 E. Catalina, Phoenix, Ariz. (Tel 5-2323)

Workings:

There are two main shafts, one on the East end of the main claim, and one near the west end line. The west shaft is 150 feet deep and the east shaft is 100 plus feet. Neither is now accessible to the bottom. The local water table was not reached in either shaft. There are several cuts and shallow shafts, as well as several hundred feet of drifts.

Geology: The deposit occupies a pair of parallel faults which are about 60 to 90 feet apart and which strike nearly east-west. The country rock is mainly a granitic rock which probably is monzonite. However, this granitic rock differentiates into an aplitic-ribbed quartz-mica granite to the north of the vein faults. The ore is localized by transverse graniteporphyry dikes, or by faults and shears. The vein matter is partly quartz and partly monzonitic Fragments. However, locally, the dikes may be impregnated by chrysocolla, cuprite or brochantite as is the quartz near the surface. According to the owner the veins vary from a few inches up to several feet in width. The quartz veins narrow some, in depth, but change to brecciated chalcocite and gangue. The chalcocite, 50 feet below the surface at the 100 foot shaft, shows a thin coating of cuprite. The two shafts are roughly 1200 feet apart and have at least 700-800 feet of undeveloped area between the worked areas. This area lies under a cap of 20-25 feet of augite andesite. which in turn is overlain by a considerable thickness of rhyolite and rhyolitic agglomerate to the north and west. The granitic rocks occupy a large low-relief area south and east of the veins, extending at least 3 miles east of the claim. This same group doubtless, also underlies the the flows to the north and west, outcropping in small areas in the deeper washes. The vein fractures extend well to the east from the claims but have been little prospected.

> Since the chalcocite in the veins does not bottom in the shafts, and since the local water table has not yet been encountered, it would seem plausable that the enriched material should have greater vertical depth than has yet been attained. Unprospected cross structures were found, between the two shafts, which probably would bear further prospecting.

Scheelite bearing quartz was encountered in a cut east of the 100-foot shaft but this occurrence has, thus far, not been developed.

Mine

Angel Mine

Date

7 1. . . .

Engineer

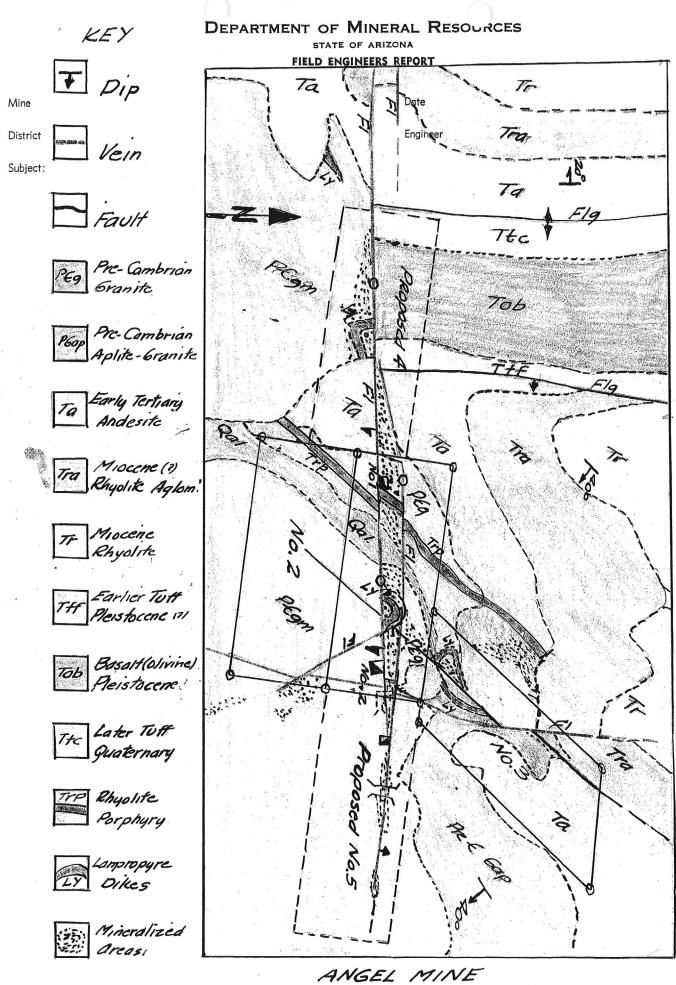
Subject:

District

Page 2

A branch, or intersecting Vein meets the main vein at the lOO-foot shaft. This vein is narrow and erratic in width. It trends N 40° E and dips steeply to the east. 800' from the main vein it appears to horsetail into narrow stringer lodes, which are not of commercial grade.

The accompanying sketch map shows the major features of the property.



GEOLOGICAL SKETCH MAP

Mine	GRAY METALS GROUP	Date	May 4, 1957
District	Vulture, Maricopa County	Engineer	B. J. Squire

Subject:

LOCATION: The Gray Metals Group consists of two unpatented lode mining claims probably in Sec. 2 or 3 of T6N,R6W, about 5 miles north of the Vulture Mine. Access is west from Wickenburg on main highway about $7\frac{1}{2}$ miles to a portion of the main highway by-passed in relocation. West on old highway 3 miles, then south $5\frac{1}{2}$ miles to mine.

HISTORY: Operated 1900 to 1913-1915 as Angel Mining Co. Shipped some tonnage of high grade copper ore running up to 20% Cu. Known as Owl Group - held by Mr. Wright in 1932.

Purchased in 1930's by Bill Kinnon of Phoenix, and others, and since held by them.

WORK DONE: Old caved shaft 150 feet deep, bulkhead at 80 feet, (according to old timers who worked at mine there is 9 feet of ore in bottom of shaft and it made a little water).

> 28 foot shaft, open. 40 foot shaft from which leasors mined some ore.

Trench dug in fall of 1955 by Bill Kinnon - 24' long N-S direction and 5 to 6 feet deep - intended to cross cut end of vein. Old shafts and drifts on east end of claim. Location hole and assessment pits near crest of ridge, middle of claim.

GEOLOGY AND MINERALIZATION:

Vein is from 1 foot to several feet wide, seeming to horse tail on east end of claim. Dip is 85° N, strike NE by E. It is cut into several segments by N-S post mineral faults. Country rock is granite - ore is silicious. Minerals close to surface are malachite, azurite, some chrysocolla and bronchantite. Tenor is high in the narrow part of the vein.

DEPARTMENT OF MINERAL RESOURCES STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine	GRAY METALS GROUP	Date	May 4, 1957
District	Vulture, Maricopa County	Engineer	B. J. Squire

Subject:

- LOCATION: The Gray Metals Group consists of two unpatented lode mining claims probably in Sec. 2 or 3 of T6N,R6W, about 5 miles north of the Vulture Mine. Access is west from Wickenburg on main highway about 7¹/₂ miles to a portion of the main highway by-passed in relocation. West on old highway 3 miles, then south 5¹/₂ miles to mine.
- HISTORY: Operated 1900 to 1913-1915 as Angel Mining Co. Shipped some tonnage of high grade copper ore running up to 20% Cu. Known as Owl Group - held by Mr. Wright in 1932.

Purchased in 1930's by Bill Kinnon of Phoenix, and others, and since held by them.

WORK DONE: Old caved shaft 150 feet deep, bulkhead at 80 feet, (according to old timers who worked at mine there is 9 feet of ore in bottom of shaft and it made a little water).

> 28 foot shaft, open. 40 foot shaft from which leasors mined some ore.

Trench dug in fall of 1955 by Bill Kinnon - 24 long N-S direction and 5 to 6 feet deep - intended to cross cut end of vein. Old shafts and drifts on east end of claim. Location hole and assessment pits near crest of ridge, middle of claim.

GEOLOGY AND MINERALIZATION:

Vein is from 1 foot to several feet wide, seeming to horse tail on east end of claim. Dip is 85° N, strike NE by E. It is cut into several segments by N-S post mineral faults. Country rock is granite - ore is silicious. Minerals close to surface are malachite, azurite, some chrysocolla and bronchantite. Tenor is high in the narrow part of the vein.

Mine	GRAY METALS, Cu.	Date	July 30, 1943
District	Vul ture	Engineer	Barl F. Hastings
Subject:	Reconstruction Finance Corporation Mine Losn		

Docket No. Date Application Received Date of Report Phx 0-225 July 24, 1943 July 29, 1943

- 1. Name and address of applicant (correspondent): William H. White, Wickenburg, Arizona.
- Character of project and estimated cost thereof:
 Cu. Rehabilitate 200 foot vertical shaft and limited lateral workings therefrom. \$5,000.00.
- 3. Location of property: Vulture Mining District, Maricopa County, Arizona.
- 4. Applicant's interest in or ownership of property: Applicant holds 5 year lease with settlement method optional by owner. Unusual clauses in lease to be noted.
- 5. Loan requested: \$5.000.00.
- 6. Loan recommended: None.

7. Comments:

(A) The application is lacking except for the affidavit of Isaac Campbell in essential detail relative to ore esposures in the lowest level. The Campbell affidavit is brief but fairly definite, and upon its evaluation must rest the decision as to the worth of this project.

The applicant's report is concise and clear. While necessarily and admittedly based upon heresay evidence, it obviously represents an honest and intelligent opinion.

(B) Assay certificates are indicative of interesting mineralization, but do not represent a given volume of mineable ore nor a clue to development possibilities. The open stope is the sole concrete evidence of an ore shoot, of which the above samples represent the fringe.

(C) The features favoring possible production are:

1. The Campbell statement that 2 feet of high grade ore exists in a 6 foot vein on the 200 foot level. Lateral extent of this ore is, however, not stated and it is not determined if this exposure is only local or persistent throughout the 50 foot drift on that level.

2. The stoped area visible at the surface.

3. The persistence and apparent strength of the vein as described where visible.

4. Ore fragments in the dump.

(D) It is not considered that the composite of the above favorable aspects are sufficient to induce recommendation of this losn.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

Quality Analysis...



Innovative Technologies

ACTLABS - SKYLINE

JOB NUMBER XYB001 February 10, 2004

MR. GARY H UETSON P.O. Box 21006 Wickenburg, AZ 85358

CERTIFICATE OF ANALYSIS

Analysis of 1 Rock Chip Sample

The following analytical packages were requested. Please see our current fee schedule for elements and detection limits.

ANALYSIS BY ACTIVATION LABS/CANADA

REPORT A04-0173 REPORT A03-0173B CODE 1EP1 - INAA CODE 1EP1 - AQUA REGIA ICP PAGE 1 PAGE 2

ANALYSIS BY ACTLABS/SKYLINE-TUCSON

Au, Ag (oz/t), Cu(%)

PAGE 3

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.



Bernie J. Dunn Manager

1775 W. Sahuaro Dr., P.O. Box 85670, Tucson, Arizona USA 85754 TELEPHONE 520.622.4836 FAX 520.622.6065 E-MAIL tucson@actlabs.com WEBSITE http://www.actlabs.com

Bernard J. Dunn Arizona Registered Assayer No. 36447





Innovative Technologies

ACTLABS - SKYLINE

INVOICE NET 15 DAYS

> Job No. XYB 001 February 10, 2004

MR. GARY HUETSON P.O. Box 21006 Wickenburg, AZ 85358

Analysis of 1 Rock Chip Sample

1	Au&Ag(oz/t) @ \$18.00	\$18.00
1	Cu(%) @ \$8.00	\$8.00
1	1EP1 PACKAGE @ \$18.00	\$18.00
1	Sample Crushed, Split and Pulverized @ \$6.00	\$6.00

Total

\$50.00

1775 W. Sahuaro Dr., P.O. Box 85670, Tucson, Arizona USA 85754 **TELEPHONE** 520.622.4836 FAX 520.622.6065 E-MAIL tucson@actlabs.com **WEBSITE** http://www.actlabs.com

ACTLABS, INC.

ACTLABS-SKYLINE

4

									J	OB NUMBE	R XYB001
MR. GARY HUETSON										Februar	ry 10, 2004
P.O. Box 21006										PAGE 1 OF	3 PAGES
Wickenburg, AZ 8535	8										
REPORT A04-0173 -	CODE 1EF	P1-INAA									
								9			
SAMPLE	Au	As	Ba	Hg	Sb	W	Mass				
NUMBER	ppb	ppm	ppm	ppm	ppm	ppm	g				
ORE	837	23	420	-1	5.9	42	28.26		 		
STANDARDS:			,					 	 		
DMMAS-5	577	3210	480	-1			19.78				
Accepted DMMAS-5	552±146	3280±200	520±180		8.9±4.0	14±3.1			 		
										1	

1775 W. Sahuaro Dr., P.O. Box 85670, Tucson, AZ 85754 William L. Lehmbeck Arizona Registered Assayer No. 9425

Bernard J. Dunn Arizona Registered Assayer No. 36447 Tel (520) 622-4836 Fax (520) 622-6065 James A. Martin Arizona Registered Assayer No. 11122

ACTLABS, INC.

ACTLABS-SKYLINE

																JOB NU	MBER 2	XYB001
MR. GARY HUE	TSON															Fe	bruary 1	0, 2004
P.O. Box 21006																PAGE	2 OF 3	PAGES
Wickenburg, AZ	85358																	
incite in a lig, i in																		
REPORT A04-0	173B - C	ODE 1	EP1-AC	QUA R	EGIA	ICP												
																		,
SAMPLE	Ag	Cd	Cu	Mn	Мо	Ni	Pb	Zn	S									
NUMBER		ppm			ppm				%				-					
	ppm	ppin	ppm	ppin	ppm	<u></u>	ppm	<u> </u>	,,,							-		
ORE	125	-0.5	90790	42	188	8	-2	17	0.704							-		
	120	0.0																
STANDARDS:																		
GXR-6 cert	1.3	(1	66	1008	2.4	27	101	118	0.016	1								
GXR-6	0.3	0.9		1023	3	27	94	122	0.014								· · · .	
GXR-2 cert	17	4.1		1008	(2.1	21	690	530										
GXR-2	17.0	5.2		and the second se	-2	19	618	503										
GXR-1 cert	31	3.3			18	41	730	760										
GXR-1	28.9	3.7			17	39	513	658										
GXR-4 cert	4	(.86		155	310	42	52	73	1.77									
GXR-4	3.6	0.6	6221	139	333	45	43	73	1.729									
Note: Certificate of	lata under	lined a	re recon	mende	ed valu	es: oth	er valu	es are i	oropose	d except th	ose pre	eceded	by a "("	which are	e inform	ation val	lues.	
Note. Ocrimonic (Barite	gahnit	te, chron	nite, ca	ssiterite	e, zirco	n, sphe	ne, and	d magne	etite may no	ot be to	tally di	ssolved.					e ^o
Note: Negative va							·											
Note: 99999 indica																		
Clients are advis	ed to obt	ain as	says for	Ag>1	00 ppr	n and	Pb>50	00 ppr	n due t	o potentia	l solub	ility pr	oblems.					
Values for Cu. N	i, Zn, Mo	greate	er than '	1% sho	ould be	e assa	yed if a	accura	cy bett	er than+/-1	10-15%	6 is re	quired.					
Values above 19	% are for	inform	ational	purpos	ses onl	y and	should	l not be	e relied	upon for p	promot	ional	or ore					
reserve calculati	ons. As	says a	are reco	mmen	ded fo	or this p	ourpos	e.										
Sulphur will prec	ipitate in	sampl	es conta	aining	massi	ve sulp	hides											

ACTLABS, INC.

ACTLABS-SKYLINE

								JOB NUMBER XYB001				
MR GARY	RY HUETSON Februa								ry 10, 2004			
P.O. Box 2						PAGE 3 OF 3 PAGE						
	g, AZ 85358											
VVICICCIDUI	g, / 2 00000											
	BY ACTLARS	S/SKYLINE-TUC	SON									
	J DT AOTEAD											
	FIRE ASSAY	FIRE ASSAY										
SAMPLE	Au	Ag	Cu									
NUMBER	(oz/t)	(oz/t)	(%)									
	(0211)	(02/1)	(70)									
ORE	0.025	3.60	10.4									
	0.020	0.00										
					-							
								2				
	ļ											
			-									
									÷			
				7								
								-				
					-							
									1	I		

1775 W. Sahuaro Dr., P.O. Box 85670, Tucson, AZ 85754 William L. Lehmbeck Arizona Registered Assayer No. 9425

Bernard J. Dunn Arizona Registered Assayer No. 36447 Tel (520) 622-4836 Fax (520) 622-6065 James A. Martin Arizona Registered Assayer No. 11122

or: ainal Name Angel Mine

• · · ·

(AKA Gray Metals) our Records

Now Reserve Bank

Joyce & Gary Huetson 623-695-6312. P.O. Box 718 Wicken burg, Az. 83358.

VIS6.41

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Information from: Doug Deckner

Company:

Address:

- 2. Phone:
- 3. Mine: Gray Metals aka Lard Bucket
- 4. ADMMR Mine File: Gray Metals
- MILS Number: 260 5. County: Maricopa
- 6. Summary of information received, comments, etc.:

Doug Deckner was in with some sample data on his Lard Bucket Claims in Sec. 5, T 6 N, R 6 W. (Gray Metals Mine file, Maricopa County). He has done some surface sampling of copper stained outcrops and hopes the claims have some potential for development into a copper leaching operation. Doug needs to map the outcrops and any disseminated areas of copper mineralization. He provided copies of some sample results and a map showing the sample locations for our file.

Date: _______ Engineer: _____ Ken A. Phillips



BTATE OF ARIZONA DEPARTMENT OF MINERAL RESOURCES MINERAL BUILDING, FAIRGROUNDS PHOENIX, ERIZONA 85007

March 20, 1975

John H. Jett, Director

V. B. Dale, Mining Engineer

Subject: Reconnaisance report on the Gray Metals Group of three unpatented Lode Claims in the Vulture Mining District, Maricopa, Arizona and on the La Mina Group of 26 claims.

On March 6, 1975 we also examined the La Mina group of 26 unpatented lode mining claims in Secs. 11 and 12, T6N, R6W, G&SRB&M, also owned by W. C. Kinnon and associates. These claims are relocations in part of the Flying Saucer group of lode claims described in report of Investigations 5516, Tungsten Deposits of Yuma, Maricopa, Pinal and Gmaham Counties, Arizona, by V. B. Dale, at page 37.

Essentially the same geologic horizon exists here as on the Gray Metals claims. A large mineralized shear zone trending northeast contains copper minerals and powellite.

Workings consist of several shallow surface openings and one shallow shaft. A number (9) of diamond drill holes have been put down to depths of over 500 feet. Assays to 1.9 % MoO3 have been reported. Three channel samples cut on the surface in 1967 yielded the

following results. #1 - 12' channel - 0.6% MoO3 #2 - 14' channel - 0.98% Cu #3 - 12' channel - 1.12% Cu

The oxide ore (powellite) extends to about 400 feet below the surface according to Mr. Kinnon. Some disseminated chalcopyrite with minor barnite. Based on spectrographic analysis, the powellite contains minor copper. Minor tungsten also occurs with the powellite. The powellite is widespread and occurs in all formations of the area, but to powellite. The powellite is widespread and occurs in all formations of the area, but to to powellite in the altered lamprophyre dikes. The extent of the copper mineralization has not been determined.

A very small part of the cores have been assayed for MoO3. I recommend that all core be split and assayed for both copper and molybdenum as a starter to a copper exploration program, after which a surface sampling program be carried out. Then if warranted, more core drilling should be planned to determine the extent and quality of the copper molybdenum deposit.



STATE OF ARIZONA DEPARTMENT OF MINERAL RESOURCES MINERAL BUILDING, FAIRGROUNDS PHOENIX. ARIZONA 85007

March 20, 1975

John H. Jett, Director

V. B. Dale, Mining Engineer

From:

To:

Subject: Reconnaisance report on the Gray Metals Group of three unpatented Lode Claims in the Vulture Mining District, Maricopa, Arizona and on the La Mina Group of 26 claims.

On March 5, 1975 in company with Ken Phillips of the Department and William C. Kinnon, one of the owners, I examined the Gray Metals, Gray Metals No. 1 and Gray Metals No. 2, unpatented lode mining claims situated in Sec. 11, T6N, R6W, G&SRB&M.. The claims are owned by Kinnon and associates. Mr. Kinnon's address is Saguaro Drive, P.O. Box P-2, Wickenburg, Arizona, 85358.

Workings consist of a shaft said to be 200 feet deep with a bulkhead at 50 feet, a shaft probably 50 feet deep, and numerous small open cuts and shallow adits and shafts.

A fault zone trending nearly E-W and dipping steeply north is exposed for approximately 1000 feet and varies in width up to possibly 60 feet (not measured). There are three well mineralized, essentially parallel structures within the fault zone that carry enriched oxide and sulphide copper mineralization. According to Mr. Kinnon, chalcocite was determined to be of primary origin by Lamar Evans, former mineralogist with the U.S. Bureau of Mines. Most of the ore production has come from the middle structure. Two settlement sheets for shipments in 1930 and in 1936 are attached along with two assay certificates.

The Arizona Geological map shows the basement rock of the area to be Precambrian granite. I saw only one small exposure of what I felt was Precambrian granite. The fault zone cuts what I velieve is a younger granite, along with probable Tertiary rhyolite and andesite and some probable monzonite. Highly altered basic dikes, probably lamprophyre are evident in all formations. Mr. Kinnon showed me the first drill site location, and I believe it will reveal anticipated data. Based on dips at surface, the hole will be slanted to cut the mineralized fault zone at 150 to 200 feet velow the surface. This will test sulphide mineralization and thinning or widening of the zone. There are indications that at least two of the enriched structures may come together at depth, in which case enrichment probably will occur. A equeesing of the entire fault zone would . cause the same effect. The second hole will be drilled after cores from the first hole are analyzed.

June 12, 1967

Mr. Irving F. Moore Western Ventures Reno, Nevada

Subject:

Reconnaissance Report, La Mina Group, Vulture Mining District, Maricopa County, Arizona

The La Mina property was visited on June 10th and 11th in company with Mr. William Kinnon, one of the property owners. The visit was made at the request of Mr. Steve Congdon, Geologist.

Location

The La Mina Group of 20 claims is located in sections 11 and 12, Twp. 6N, Range 6W, Maricopa County. The property, in the Vulture Mountains, is 4 miles north of the Vulture Gold Mine. The Claim Group is 10 miles from the center of Wickenburg by good county road; about one-third of the road is paved. All of the claim area is accessible by primitive interior development roads. Access to the property is indicated on the U.S.G.S. Vulture Mtns., Arizona Quadrangle topographic map. Figure 1, attached to this report, shows the claims, basic topography and basic geology.

Property

The claims were acquired in the 1950's by Mr. W.C. Kinnon, 1301 E. Lawrence Lane, Phoenix, 85020. Mr. Kinnon began with a few claims and has staked peripheral claims during recent years. The claims have been surveyed by acceptable reconnaissance methods, although not to the precision required for patent. Mr. Kinnon has transferred 51% interest in the claims to a Mr. Hobbs, an affiliate of Mines Exploration Company.

Title to the claims is apparently valid. All are unpatented. Annual labor affidavits have been recorded each year.

Areas adjacent to the LaMina Group were staked by Mr. W.D. Roper of Safford during 1963-64. Mr. Roper's 300 claims are reported to have become invalid due to non-performance of assessment work. Mr. Kinnon stated that Mr. Roper might possibly be still interested in the district -- as a copper possibility-- but that Mr. Roper has many stronger interests in other districts.

Other claims nearby are held by the Renegade Mining Company. These are not immediately adjacent to the LaMina Group.

There has been no production from the immediate property. Some copper ore, several hundred tons of 40% Cu ore, are reported to have been shipped by the Bright Angel Mining Company from a mine one mile to the West.

Facilities

Rail, Santa Fe, R.R., is at Wickenburg. Supplies, housing and power are also at Wickenburg. Water is available at Wickenburg and has been sold to drillers at \$0.50 per thousand gallons. Water could probably be developed on the flats 3 miles to the southeast of the mine -- as it has been at the nearby Vulture Mine.

Geology

したいとないたちのとう

The local area is composed of Precambrian granite plus a variety of fine-grained tertiary intrusives and volcanics. The tertiary rocks range in composition from rhyolite to andesite and are part of the generally andesitic volcanic area of the Vulture Mountains.

As shown on Figure 1, the fine-grained porphyry exposures (dark blue) trend generally to the NE. This is also the trend of the mejor fracture zones containing copper mineralization (copper in green, powellite in red). Minor fracture zones trend ENE and E -- these contain major powellite and minor copper mineralization. A northtrending zone of powellite-filled fractures occurs at the best surface exposure of powellite; this trend is very localized and not reflected, as apparent at the time, in the rest of the property. The area has a well-developed northwesterly fracture and jointing trend -- not mineralized, but possibly important in offsetting the mineralized zones.

-2-

Mineralization

The major mineral of interest is powellite, calcium molybdate. There are minor amounts of scheelite and there is an overall association of oxidized copper mineralization with fracture zones in the claim group.

Powellite occurs on fracture surface and as disseminated flakes. Most of the powellite is apparently associated with the contact zones between granite and andesite porphyry. Mineralized fracture surfaces are closely spaced -- down to fractions of an inch; the disseminated powellite is undoubtedly fracture controlled as well.

It is significant that there are two modes of powellite occurence:

- In both granite and andesite near contacts -- generally with very minor copper mineralization
- In granite away from the andesite contacts and with more copper mineralization. In these occurrences, there is noticeable limonite staining and also some limonite casts after pyrite.

The suggestion and the interpretation at this time is that the second, or granitic occurrence is a direct remnant of copper sulfide-molybdenite mineralization. The granite-andesite mineralization is likely to be of secondary origin -- richer in grade within 1,000 feet of the surface but not associated with sulfides at depth.

Molybdenum minerals other than powellite are not widespread; in fact only a small amount of molybdenite was noted (in the granite) and a doubtful identification of ferrimolybdite was made at several places in both granite and andesite.

In an alkaline environment and with minor copper, as in this area, molybdenum complexes are very soluble. As a result, the surface exposures of powellite have been leached -- and there is considerably more powellite at depths of a few feet in dozer cuts than at the surface. The drill-hole intercepts, disucssed later, are also richer than the surface exposures.

-3-

Sampling and Grade

The grade of the mineralization is difficult to determine because of leaching at the surface, which tends to diminish the assay values in surface channel cuts. Values are in molybdenum, tungsten and copper -- with each metal behaving differently during weathering.

The localization of mineralization is quite readily seen with shortwave ultra-violet light at night -- but the determination of grade by this method is only relative.

The grade of ore in drill holes is much more reliable -- beneath the zone of shallow leaching.

Sampling at the surface from three channel samples, shown on Figure 1, assayed as follows:

#1 - 12' channel - 0.6% MoO3

2 - 14' channel - .98% Cu

3 - 12' channel - 1.12% Cu

Six core drill holes have been drilled on the property.

Five of the holes have cut ore mineralization. The logs

-4-

Mining and Processing

The best ore intercept is at a depth of 340 feet. This intercept undoubtedly ties in with one of the surface exposures dipping about 50 degrees. In all, the readily available ore would be amenable to underground mining with stoping widths of 6 feet to nine feet, depending upon actual dip. Depth to the shallowest level would be on the order of 100 feet.

The processing of the ore is a large question which should be among one of the first things verified.

Three possibilities exist:

- 1. Concentrate by flotation (apparently feasible) and ship concentrates to Pine Creek, Calif. for processing.
- Ship flotation concentrate directly to steel companies, following a market survey.
- 3. Leach flotation concentrates after calcining. A flow-sheet on this could be worked up with one of several organizations.

The proper disposition of the ore would depend very largely upon the reserves and grade to be determined in the high-grade zone. This, therefore, is the prime target.

Recommendations

While the geologic relationships of the petrology, structure, and ore mineralization are important, the major objective should be more direct -- namely to answer the two questions:

- 1. Is there enough ore-grade mineralization in the major underground mining zone intersected by drilling to make a profmable operation,?
- 2. Is there a firm market for this amount of product at a reasonable rate of shipment and at the specifications attainable? What is the value?

The first question cannot be answered by surface mapping and sampling. It can be answered only by penetrating the ore zone and obtaining an ore reserve and grade picture. One drill hole, to about 800 feet can establish the continuity. Two additional drill holes to about 600 feet can give enough of an estimate of tonnage to permit investment in beneficiation and marketing investigations. Mr. Kinnon has a good picture of the geometry of the ore zone and can be depended upon to spot the best drill holes.

-5-

The second question will be answered by mill-testing and by negotiations with ore buyers.

The property may have a much larger potential in sulfide ore with molybdenum-copper values than in the secondary powellite mineralization. This investigation would, however, require a very large capital outlay -- on the order of 100 thousand dollars or more, and could be carried on later. The risks in this phase would be high.

I suggest that the following steps be taken in the sequence indicated:

1. Drill hole to 800 feet near the high grade zone to cut the zone.

800'@\$9/ft.	-	\$7,200
Mobilization		200
Assaying		100
Total		\$7,500

- Two drill holes to 600 feet each

 1200'@\$9/ft.
 \$10,800

 Assaying
 200

 \$11,000
- 3. Mill-testing on core and on selected surface samples \$800.
- 4.

2.

Completion of ore reserve drilling and engineering studies.

In my opinion, it will be best to consider the property as a small high-grade proposition requiring a few tens of thousands of dollars to put in operation rather than a large low-grade sulfide property with high risk and requiring hundreds of thousands of dollars for pre-engineering and geology.

W. C. PETERS (signed)

-6-

1. rch 28,1969

Dear Mr. Kinnon.

Enclosed are the rock reports for the #3 and # 6 D. D. cores and the billing for the work. I am sending by parcel post the sections and rock chips.

It is my opinion that the powellite has been derived from altered molybdenite. The presences of calcite suggest an environment of high pH and low Eh, which are required for the formation of MoO₄ from MoS₂. However, the occurrence of the majority of the powellite in fractured regions (slide lc) and in calcite veinlets or carbonated plagioclase crystals (slide lb) suggests that the powellite was mobil and has been transported. Concerning the distance and source area (whether above or below the present location) one can only speculate.

The formation of powellite in place from molybdenite cannot be shown in thin section. No replacement of molybdenite by powellite was observed. Also the dessemenated powellite appears to be more dissemenated and finer grained than the molybdenite observed. This latter is not very strong evidence as not enough molybdenite in granodiorite was seen.

I would recommend that the D.D. core containing the molybdenite be looked at more closely, especially near whe upper portions, for evidence of powellite after molybdenite. It may be that the powellite in the shear or fractured area is due to oxidation and that there may be molybdenite at depth.

If I can be of further assistance feel free to call.

Singerely James (E

James O. Guthkie 2323 Cameron Vista Tucson, Arizona 85713 Slide lb.

 Alteration is primarily calcite replacing the plagioclase. Feldspar (mostly the plagioclase) altered to calcite with some minor clay. Biotite appears fresh, there is some recrystallization with the formation of secondary biotite.
 Sphene is relatively unaltered.

Z Opaques.

magnetite minor hematite alteration, fine grained, interstitial.

powellite (semi opaque and is white under the reflected light) It occurs primarily in the calcite vienlets as acicular to irregular, somewhat botuoidal to radial appearring masses. Occassianal fine grains of irregular, radial appearing masses occur in the groundmass associated with the carbonated plagioclase crystals.

Slide lc.

Hand specimen. The rock is a moderately altered, medium grained, hypidiomorphic granodiorite. One portion of the sample exhibits a fractured region which containes Mematite and powellite. This area displays fairly abundant powellite. Small, disseminated flakes of powellite throughout the rest of the rock is very apparent under the black light,

Microscopic. The rock is a well altered, medium grained, locally modified hypidiomorphic-granular granodiorite. Portion: of the slide exhibits a brecciated fabric. In this area the rock exhibits recrystallization texture, primarily of quartz, and more alteration than in the unfractured rock. The fractures are filled with hematite and powellite.

Alteration is argillic.

Feldspar is altered to clay. Biotite appears to be frexh, but exhibits ragged flakes and there is some fine grained, secondary biotite present. Leucoxene occurs associated with it also. Some minor sericitization of biotite occurs in the brecciated region.

The powellite occurs as white to yellowish white, irregular to somewhat prismatic grains under reflected light. They are generally concentrated in the brecciated region. They do occur disseminated as fine, irregular flake-like grains throughout the rock.

Rock Reports.

#6 D.D. Core.

Slide 2a.

Hand specimen.

Medium grained, hypidiomorphic-granular, moderately altered granodiorite. Rock contains interstitial pyrite, chalcopyrite and molybdenite. The pyrite and chalcopyrite occur as medium to fine, irregular to oblong grains and appear to be interstital to the silicates. The molybdenite occurs as fine, tabular to irregular grains; it is both dess@menated in the silicate matrix and with some of the chalcopyrite.

Microscopic.

Medium grained, modified hypidiomorphic-granular, moderately altered granodiorite. There is minor recrystallization and brecciation which has modified the original igneous texture.

Alteration is primarily argillic.

Feldspar (mostly the plagioclase) - clay (montmorillonite and halloysite) Biotite - mostly fresh, minor chlorite. In the area of brecciation fine, secondary biotite has been formed. Sphene - some leucoxene alteration Chalcopyrite and pyrite - some minor formation of iron oxide alteration

Opaques.

1. Chalcopyrite and pyrite. fine to medium, euhedral to anhedral, irregular grains. Occur interstitially and in apparent shear areas. (Find elongate or several grains alined; associated healed zones in the silicate matrix). The grains are generally rimmed by hematite.

2. Magnetite. fine, anhedral, interstitial grains.

3. Molybdenite. none apparent in thin section under reflected light.

Rock Reports.

#6 D. D. Core.

Slide 2b.

Hand specimen.

Quartz vein containing chalcopyrite, pyrite and molybdenite. Calcite veinlets criss-cross the quartz matrix. Minor hematite alteration is present.

The pyrite and chalcopyrite occur as medium, irregular grains and appear to be in areas of fracturing. The grains appear to be fractured and are generally being altered to hematite.

The molybdenite occurs as small clusters of fine flakes in areas of fracturing and as small flakes rarely with the chalcopyrite.

Microscopic.

Fractured and trained, fine to medium grained, sutured textured quartz rock criss-crossed by small veins of calcite.

Opaques.

1. pyrite and chalcopyrite. irregular, medium to fine graines, partly altered to iron oxide (limonite-hematite). Some of the iron oxide occurs with the calcite veining.

2. molybdenite. very fine flakes occurring in irregular, shredded clusters and as rare, fine grained flakes. The calcite veinlets cut and disrupted the lager clusters of molybdenite.

DODE, CLAIRS TO ALL WHOM IT MAY CONSCINT This dinning Cledme, the same of which is bud. Gwi BOL Mining Claim, situate on lands belonging to the United States of America, junt in which there are vsluable mineral deposits, was shitered upon and foodled for the purpose of explorations and purchase by Frank Wright the undersigned, on the Snd day of July, 1983

NOTICE OF

The length of this claim is 1500 feet, and L claim 750 feet, in athoryh bastary diractive and 750 feet in a South Westerly direction from the center of the discovery and the willo this notice is plated, Fenthwise of the blaim, together with 300 feet in which of the surface grounds, on shoh aids of the denter of said claim. The renoral oblige of the loderdeposit and premises is from the worth meet to the South meet The claim is situated and loosted in the Vulture Dining District, Un Mericope Conny,

KINING.

in the State of Arizona, about three miles in a northerly direction from Wulture Pa The surface boundaries of the claim are harked upon the ground as follower, regiment, at a at a point in a north eseterly direction 750 feet from the missoury shert at which the notice is preved), being in the center of the N. E. and live of suid cleam, brender 200 that s Nonument; being the Worth West corner of said plaim; thenes 1500 feet Hors Monument . usu at she South west corner of said claim, thence 300 fact to a monument at the cent South westerly and of said claim; thenge SOO fest to a Monument being 41 The corner of avid cluim; thence 1800 fact to a komment at the dortradestadorner. thence 300 feet to the place of beginning.

Dated and operad on the grounds this 2 day of July, 1923 Frank Wright Witness

John Z. Cull (X) Filed and Recorded at Request of Frenk Wright AUG 20. 1923 at 9 (DT as a n. H. Minyille County Hecorder CA PARED By Walter Mi.Smith Depity Records

ALLON EMS #17366. IND & MINE 1

aouth 1500 Reet to-

Relocation of abandoned Mining Claim. NOTICE OF MINING, LOSATION HODE CLAIM.

TO ALL, WHOM, IT, MAY CONCERN, This withing Claim, the name of which is the Arness With Claim, situate on lands belonging to the United States of America, and in which there are value mineral deposite, was entered upon and located for the purpose of exploration and mutchases The Hickey Sopper Company sizens of the United States five undersigned on the 12 day of June 19 The length of this claim is 1500 feet, and we claim 1000 feet in a northeast discound

and 500 feet in a ------direction from the denter of the discovery shaft, at which this not a is posted, lengthwise of the claim, together with 300 feet in width of the surface grounds, chir each side of the center of said claim. The general course of the lode deposit and premises from the northeast to the southwest:

The claim is situated and located in the New River Mining District, in Marines County, in the State of Arizona, about 4 miles in a westerly direction from sentinal Jean The surface boundaries of the light are marked upon the ground as collors, Beckin (at which this notice is bosted) baing whithe jenter of the Northeast end line of any

thence Feats 300 feet to a monument of stone being the northwest corner of said distant the

sponument or atomical the perfor of the solutions of

raonument of stone, being at the southwas comer of shift distriction

thence East 300 feet to a monument of stone, being at the southeast corner of said claim; north 1500 feet to a monument of stone at the northeast corner of said claim; thence west 300 feet to the place of beginning.

all done under the provisions of Chapter Six, of Title XXXII, of the Revised Statutes of the United States, and of an Act of the General Assembly of Arizona entitled "An act to revise and Codify the Laws of the Territory of Arizona," approved March 16, 1901.

Dated and posted on the grounds this 11 day of June, 1923.

Witness

Pat C. Clark

Filed and recorded at request of Pat C. Clark, Sec. 4, 1923 at 1.25 P. M. W. H. Linville, County "ecorder. 17724 COAPARNL

MAN TO MANY READ & C.M.B.

By Walter W. Smith, Deputy Recorder NOTICE OF MINING LOCATION

Hickey Copper Company

LODE CLAIM

TO ALL WHOM IT MAY CONCERN: This Mining flaim the name of which is the Masoot Mining Olaim situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Harry Harrington a citizen of the United States the undersigned, on the 26 day of August, 1923

The length of this claim is fifteen Hundred feet and I claim Six Hundred feet, line easte direction and Nine Hundred fect in a weaterly direction from the center of the discovery shaft at which this notice is posted, lengthwise of the claim, together with three hundred feet in width of the surface grounds, on each side of the centerof said plaim. The general course of the lode deposit and preaises is from the east to the west.

The claim is situated and located in the Eagle Tail Mining District, in Maricopa County in the State of Arizona, about one and one half miles in a South Mesterly direction from the Copper Montack Mines.

The surface boundaries of the claim are marked upon the ground as follows: Beginning at the discovery shaft thence in an easterly direction 600 feet to a monument of stone at a point In an easterly direction 600 feet from the discovery shaft (at which this notice is posted), be in the center of the east end line of said claim; thence three Hundred feet to a monument of etc being the South east corner of and claim; thence Fifteen Hundred feet to a Monument of stone; being at the Southwest corner of said claim; thence Three Hundred feet to a monument of stone at the center of the west end of said claim; thence Three Hundred feet to a Monument of stone being at the North West corner of said claim; thence fifteen Hundred feet to a Monament of ston at the North east corner of said claim; thence three Hundred feet to the place of beginning: Dated and posted on the grounds this 26th day of August, 1923.

Mitness

Geo. A. Bryant

HEAD & MAN AV 14

Harry Harrington.

Filed and recorded at request of Herry Harrington, Sep. 4, 1923 at 9.55 A. M. W. H. Linville, County Recorder. COMPARED #17694 NELTO TO EM. 6

By Walter W. Smith, Deputy Recorder

cyresm; retroleum, trude oil, nastda, Lultra; gas, similitum, aud all voirs Tedres, Polescor da the lines of his cluim, togetoer min, all water and three by Sixtemant, Allowed by Inf. ste ner Sixtuste in the 1. I. S. S. in 7. Maing District, Marinese County, Sinte of Adlerna, This cluim shall be mown as the Sixte Dist Phace, Maning Unia.

Loosten tils olin day of June, 1935. Nary Göldsmostik

1915. S. T. 1911

Filed and recorded at request of 3 1 will, Aug (2) 1935 at 11.49 A. M.

#17514 COMPARED

NOTICE OF WINDER LOOK TON

TO MENN IT MAY CONTRE: This Mining Olaim, of ensers of which is the Olar dETALS Mining Claim, Section, Linds belonging to the Alited States of Astring, ind in which Slate, are veryble mineral deposite, and en upon and located for the suppose of exploration and Dirchard by M.S. w. H. KINNOF, a ditian of the Unite the undersigned, on the 23rd day of August, 143.5.

ANDADED

The length of this child is 1500 feet and Loirin 70 feet. In a Dasterly direction and 750 feet in a fasterly direction and 750 feet in a fasterly direction and 750 feet in a fasterly direction from the context of the discovery share of the context of the contex

The cloim is alreaded and located in the valence train, District, in Aurison County, in the Sine Arizona, about for Kiles in a Testerly direction from Walshoung, and ine and Koodt tipes allowing Direction from the Walture Mine.

The motion opinistics of the claim are neglection, he ground at follows. Desiming et a point in a fasterity direction 7.50 feat from the discover shift (at which did not leave noted) and an a fasterity direction 7.50 feat from the discover shift (at which did not leave noted) claim, there is not moniment, both, in Northeast obtain, there is no moniment, both, in Northeast obtain, there is a discover of shift of the source of the fast for part of the source of the fast for part of the source of the fast for part of the source of fast for a source of the fast for the source of the fast for a moniment of the fast for the fast for the fast for the source of the fast for the f

All done under the accordingons of the laws of the United States, and of the Shate of artisons

This is an anaminal Locaston Mokine of Discovi Loda Misting Claim, Locasted by Vinnerweight on Energonia of July, 1933, and tecordant in Book 25 of Redardiod Minas is Discript, in the officeron the Gounty Heaping the Afgreezia County of ________, to write retarende is muchly suce, and this amended Locaston Northan and posted to correct errors in the description in the well notation Locaston Morthe.

uns. R. B. Kiinch

#. It. CLEVILLA, County Recorder
 Dy Z. W. Herry, Deputy

Dated and posted on the grounds this 23rd, day of all day

#itnusses

A. B™EDAUS
#5. C. Kinnon

Tiled and recorded at request of 8. C. KINNA, and of an plice an intra-

Subscribed and sworn to before my this

STATE OF ARIZONA

COMON OF MARICOPA

-STRA 7. LVM18, being derry swort, corress and anys they are 15 as derress of the highed Stars are wenty-one (series of Alg), and respins at Leitlin Mathema Court, Stores 7 are despined in responding with the endance claim internet 2 these stores have a distribution of the formation instance of weither are stores with the endance claim internet of Mathematical Stars and Stores are becaused as the mining claims are proved to be with the endance claim internet of Mathematical Stars and Stores are been as the set of the set of the store of the stor

Inothed Sworthwellings upon said proverty and in addition the sork constance of Padm claim,

STOTAL SCALE MAS

Fiel and recorded at request of SIMA P. DIMIS, AND 20 at 310 PM 1935.

. LINFILLT, County Becorder G. S. FAREN, Deputy

GOMPARED BAD FOR C 17915

enenenellenenenenenenenenene AFFIDAVIT OF LABOR PERFORMED AND IMPROVIDENTS MADE.

STATE OF ARIZONA

COUNTY OF MARICOPA

JESUS RODBIGUEZ being duly sworn, denotes and suga that be less differen of the United States and more than a twenty-one years of ase, and reades as Phoenix in Marirola County, State of Aftana, and is personally sequalized the three mining claims trained as a single 1 to 10 inc., El figte 0 to 5 inc., La Supermass 1 to 5 inc., mining claims, structs in the Milaure Wining District, County of Carlossa State of Aftana, and is personally sequalized is a mean structs in the Milaure Wining District, County of Carlossa State of Aftana, and the personal of since, is seconded in the office of the County Recordse of said County, is Book 30 of Records of Mines, at sugges 400-15 500 of the sh that between the First is of July (A, Dh. 100 district, State of Aftana, and the second states at anges 400-15 500 of unoisand dollars worth of work and improvements were into and mentormed upon said claims bot the units office of said claims. Such edits and improvements were into and the formet of the the soft the Wines at the states of the short and the soft of said claims of the units at the second of the soft said claims of the states of the soft said states of the units of the soft said claims bot the states of the soft said claims bot the states of the units of the soft said claims by the soft said states of the units of the soft said claims for the purpose of comply in soft and the issues of the units of the soft said claims for the purpose of comply in soft said in a third states vertex in the second soft said claims of the soft said claims of the soft said states of the units of the soft said of the soft were soft of said claims for the purpose of comply in soft said soft said states vertex in the second state of the soft said states of the soft said soft said states the soft said states of the soft said states of the soft said states of the soft said soft said states states the soft said soft said states of the soft said soft said states the soft said so

Shafto, tunnels and building roads leading to said mining claim.

JESUS: RODRIGUEZ

H. C. ARNOLD; M. Lary Public

9. H. LINVILLE: County Recorder. By K. P. Maury, Deputy

W Here Hanna, Hotars Public

W. H. Linville, County Recorder He & F. Knight, Denty

Subscribed and sworn to before se this 24th day of August, A. D: 1933;

(SEAL) (Av. commission expires Jan. 22nd, 1934.

Filed and recorded at request of CASL 3, UEALAN, AUG 51. at 1:54 PM 1953.

A Charles of the Contained of	An offering the second s	X Sac
1 1 1 1 C 1	and the second second second second	1
C 3 2 2 3 3	際国のいい思想は認識・影響	18 . 1.
The second second		12.
0.4-5.0	TRAU TU TU A	1
		1. 1.
	CHAD BY DEALER A	1.1
14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the second states of the second	· · · ·

AFFIDAVIT ON LANGUE FERFORMED AND STPROVALENTS ADD

STADE OF COLORADO

County of M1 Paso

1. L. dirlie, bein, bdly uwern, danodis inf tree the strikted of the first of the United States and success that had been a set of the first state of the strikt states at the strikted of L. Lalley

Subscribed and every to store as base for the August, 4.2. 1935 (ceal) by anotherion edgines Jan 1-1915

Filed and usersided at request of 2. b. Hillsy, Sap 2 1971 at 10:27 2. M.

ISEST COMPARED READ TO O -----

NOTICE OF FINING LOCATION

TO ALL WHOR IT Set IDNEARS. This closer sining Dista, the according takes around a later basis Water Placer It. Statute on Lange Delongth, to the United States of Astron, and Being a former without a down a later show that is rein or loss of united or other cose in Class, easy state down and to state for the partolic supported and down as the state of the basis of the state of the state of the former of the former of the support of the state of the former of the state of the support of the state of the Worth, the state of the Worth, the state of the state of the state of the state state of the the state of the state of the state of the state of the state state of the state

all donasunder theer moviators of Anniser cits, on This soil to or the Herbert

NOTICIES OB ENTINE IN CALION NOD: CONTRACTOR

19.3.3

corner of such daim.

feet;

feet

TO ALL WHOM IT MAY CONCERN:

This Mining Claim, the name of w' ch is the Mining Claim, situate, on lands belonging to the United States of America, and in which there are valuable minoral deposits was entered upon and located for the purpose of exploration and purchase by 117 1 2 South Minnerger in although the Educated States

Locator must insert either "a citizen of the United States" or "who has deplaced his intention of becoming a utizen of the United States the undersigned, on the 2.2.2. and the day of a construction L and and

where the Chesterly Kurth Constally ... direction fromfeet in a the center of the discovery shaft, at which this notice is posted, lengthwise of the sluin, together with

and the surface grounds, on each side of the surface grounds, on each side of the surface of said claim. The general course of the lode deposit and premises is from the . County in the State of Arizona, about in. in a . 2 a new there The all there we show in read appears that Manage 27 at all The at the south had all the

The surface boundaries of the claim are marked upon the ground as follows: Beginning at. C. La react and second to the

at a point in a state of the state

discovery shaft (at which this rotice is posted), Being in the cantor of the being the second s

at the Alanda and a corner soleade to a.....

Stitmesend

Filed and recorded at the request of

Read to 9 Read by A.A.

A. D. 102 3 At // 22/M W. E. Lowalla

Mar 21 34 Drume

. Ch. 1. Dr. currada 2 Contractor and