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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 03/22/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MONITOR GROUP

ALTERNATE NAMES:

RICHMOND
DEWEY
TUCSON
MOUNTAIN VIEW
CUMBERLAND
MOUNTAIN MAID
MERRIMAC
SILVER CANYON GROUP

PINAL COUNTY MILS NUMBER: 124A

LOCATION: TOWNSHIP 2 S RANGE 14 E SECTION 31 QUARTER N2
LATITUDE: N 33DEG 13MIN 05SEC LONGITUDE: W 110DEG 57MIN 13SEC
TOPO MAP NAME: HOT TAMALE PEAK - 7.5 MIN

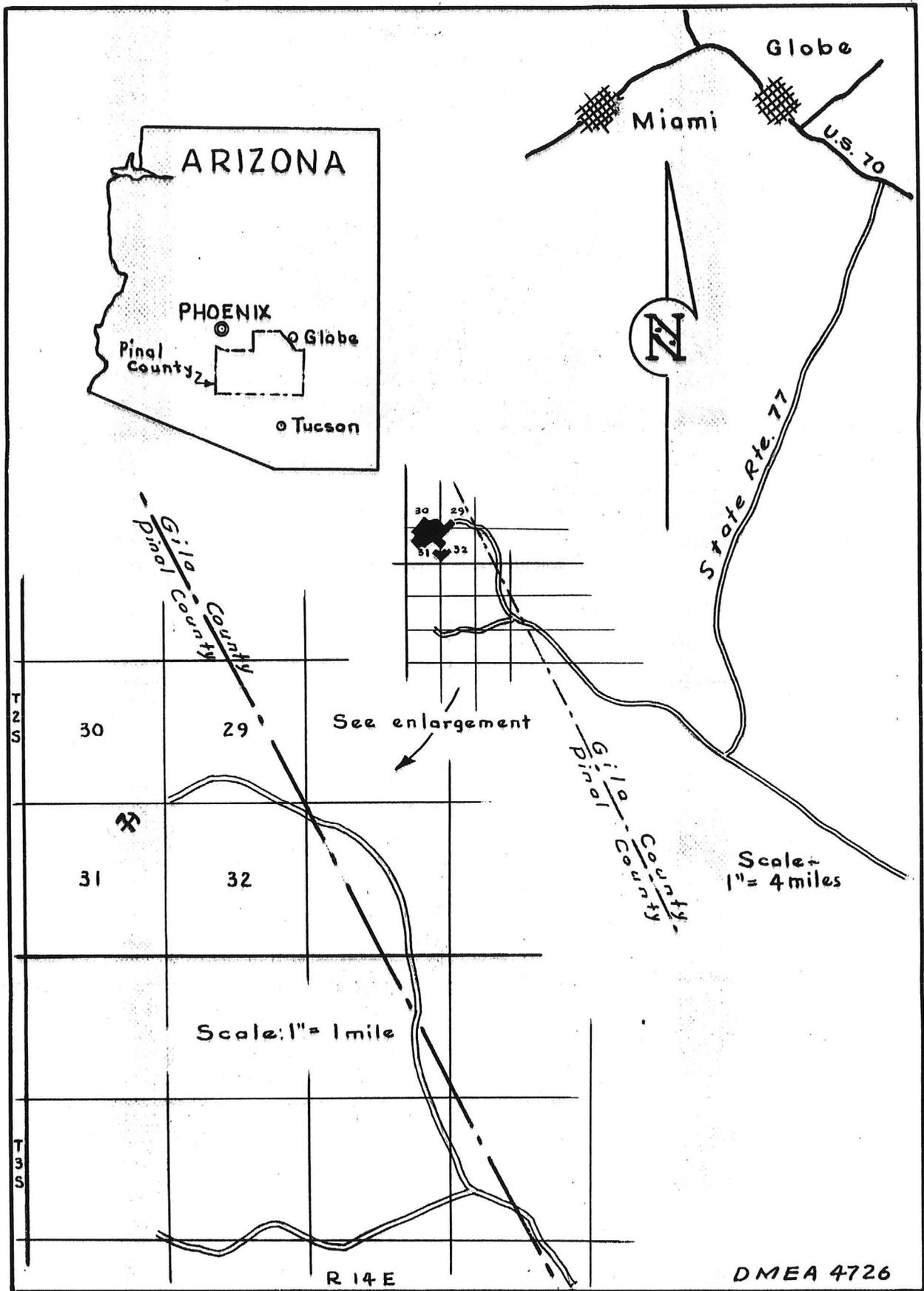
CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE
COPPER OXIDE
SILVER NATIVE
GOLD LODE
LEAD
IRON
ZINC

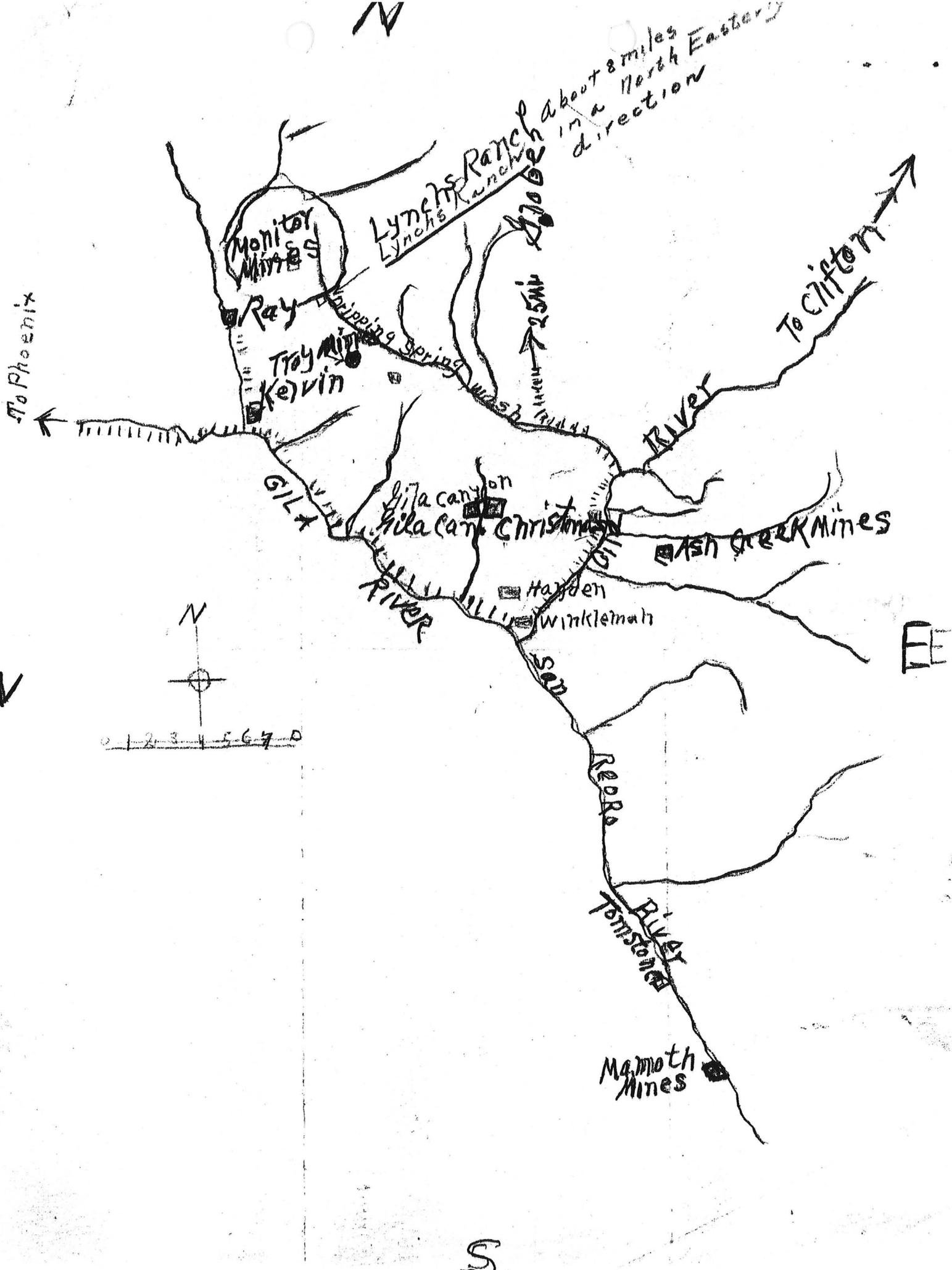
BIBLIOGRAPHY:

ADMMR MONITOR GROUP FILE
BLM AMC FILE 80385
ADMMR U FILE PINAL CU 25
CLAIMS EXTEND INTO SEC. 29, 30, 31 & 32

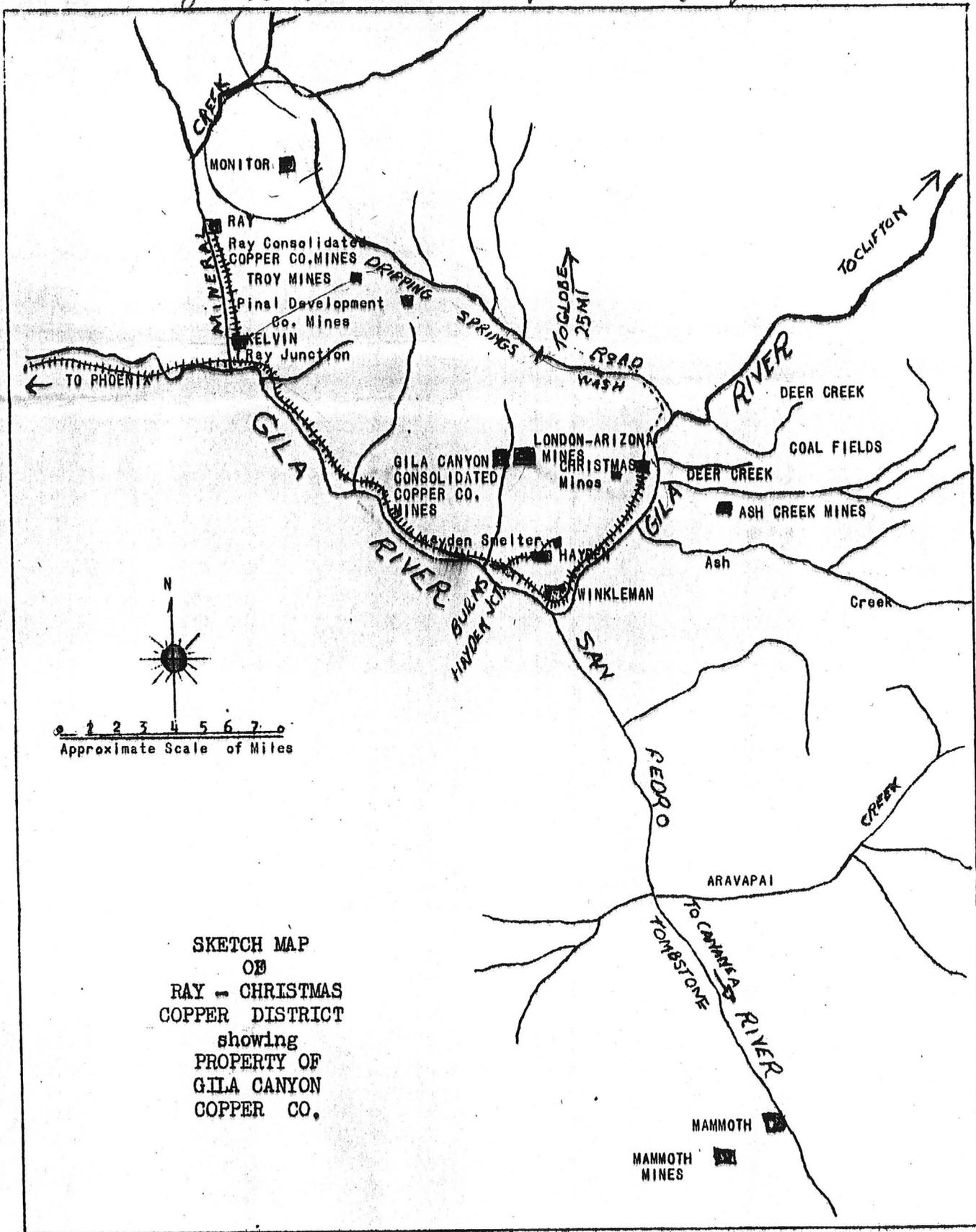


F. 6

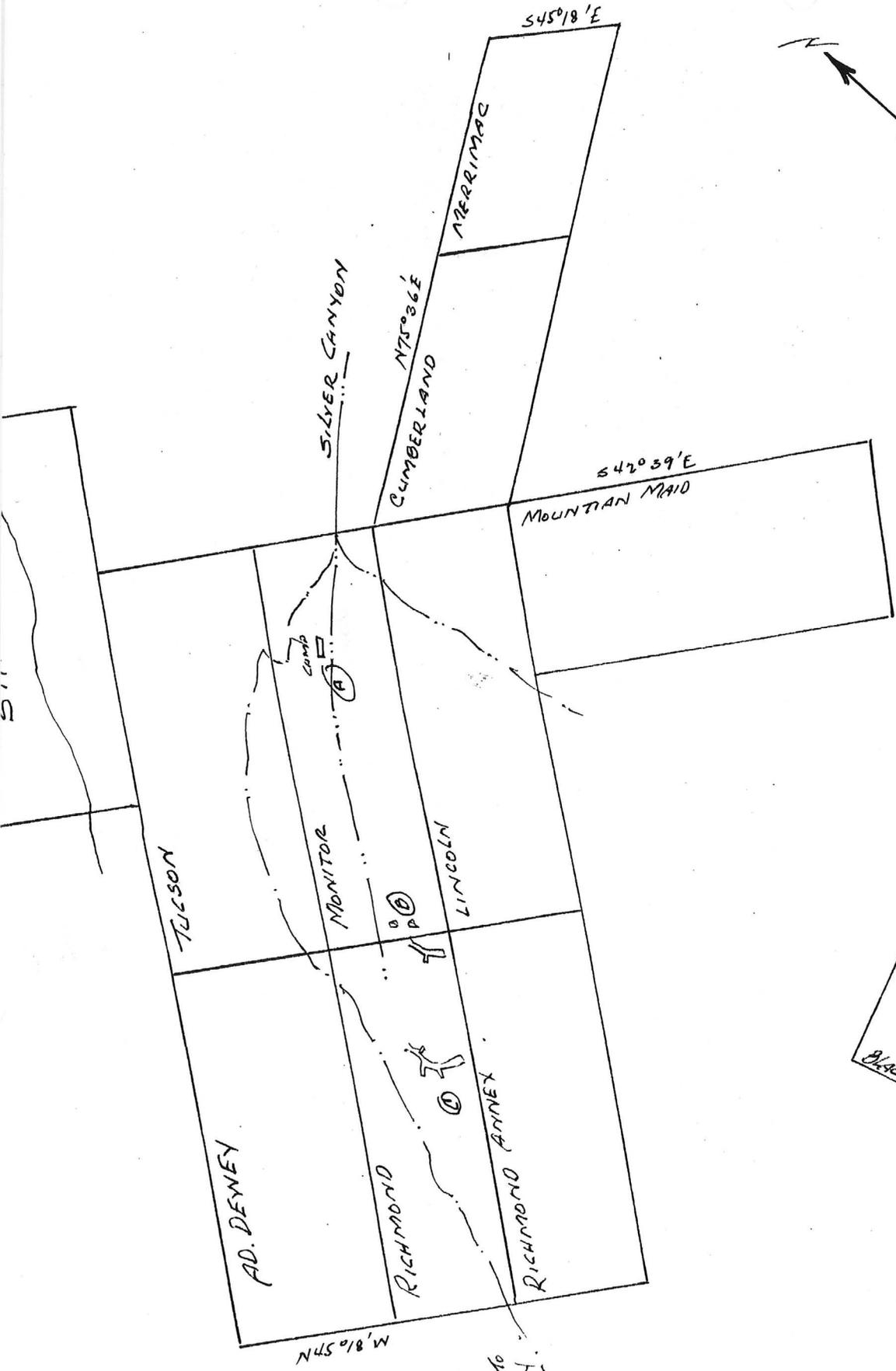
Fig. 1 Location map, Harry J Hagen
Monitor Group of Claims
Pinal County, Arizona



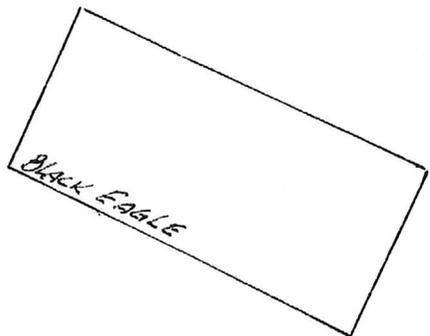
good out road up dripping, Springs wash



4.7000
4.1860

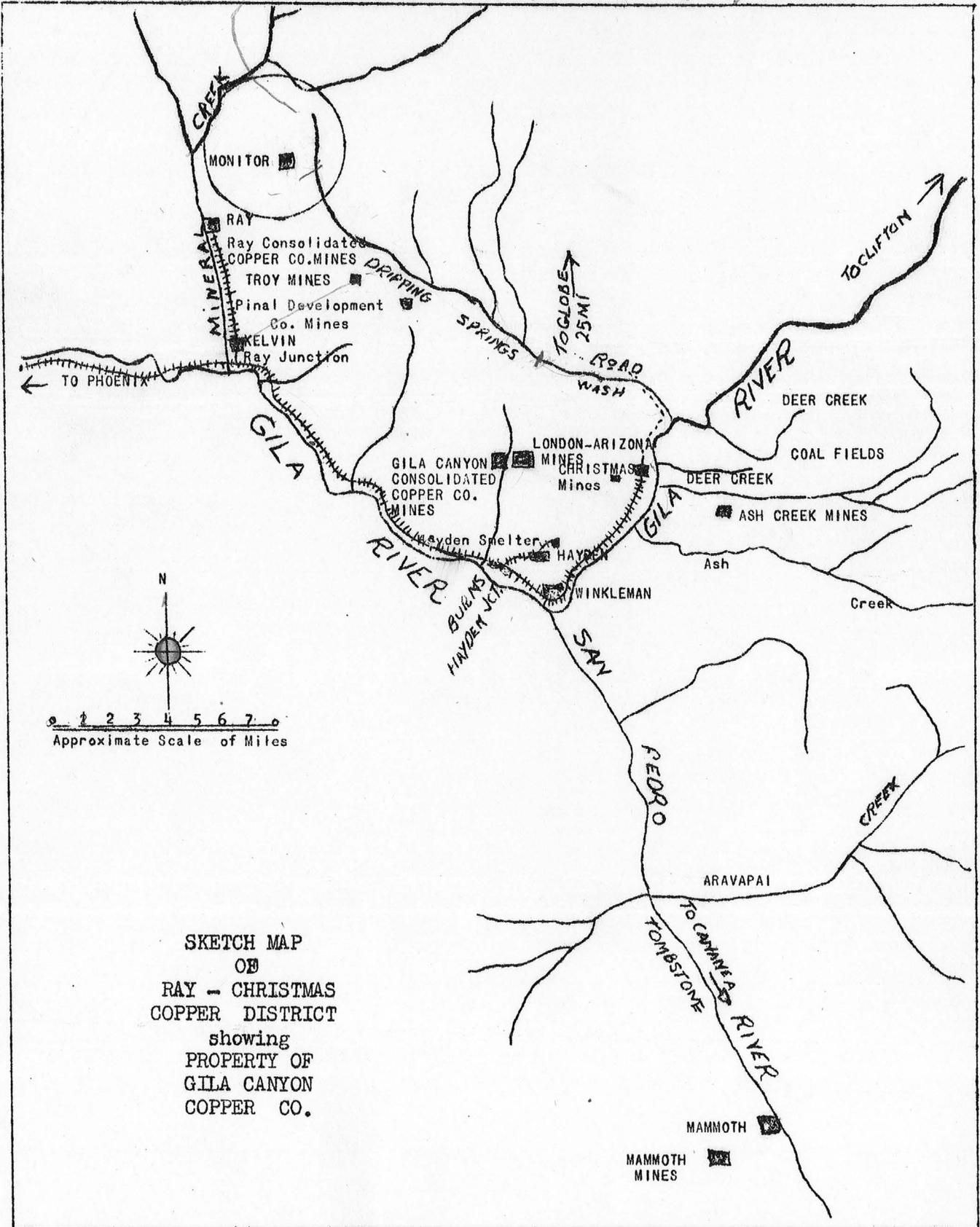


CLAIM MAP
 MONITOR GROUP
 PINAL COUNTY



NOT TO SCALE

good out road up dripping, Springs wash



SKETCH MAP
OF
RAY - CHRISTMAS
COPPER DISTRICT
showing
PROPERTY OF
GILA CANYON
COPPER CO.

4.7004
4.1860

N

about 8 miles
in a North Easterly
direction

Lynch's Ranch
Lynch's Ranch

Monitor
Mines

Ray

Troy Mine
Kelvin

To Phoenix

25 mi

To Clifton

River

Gila
River

Gila Canyon

Gila Canyon

Christmas

Ash Creek Mines

River

Hayden

Winkelman

San

Reed

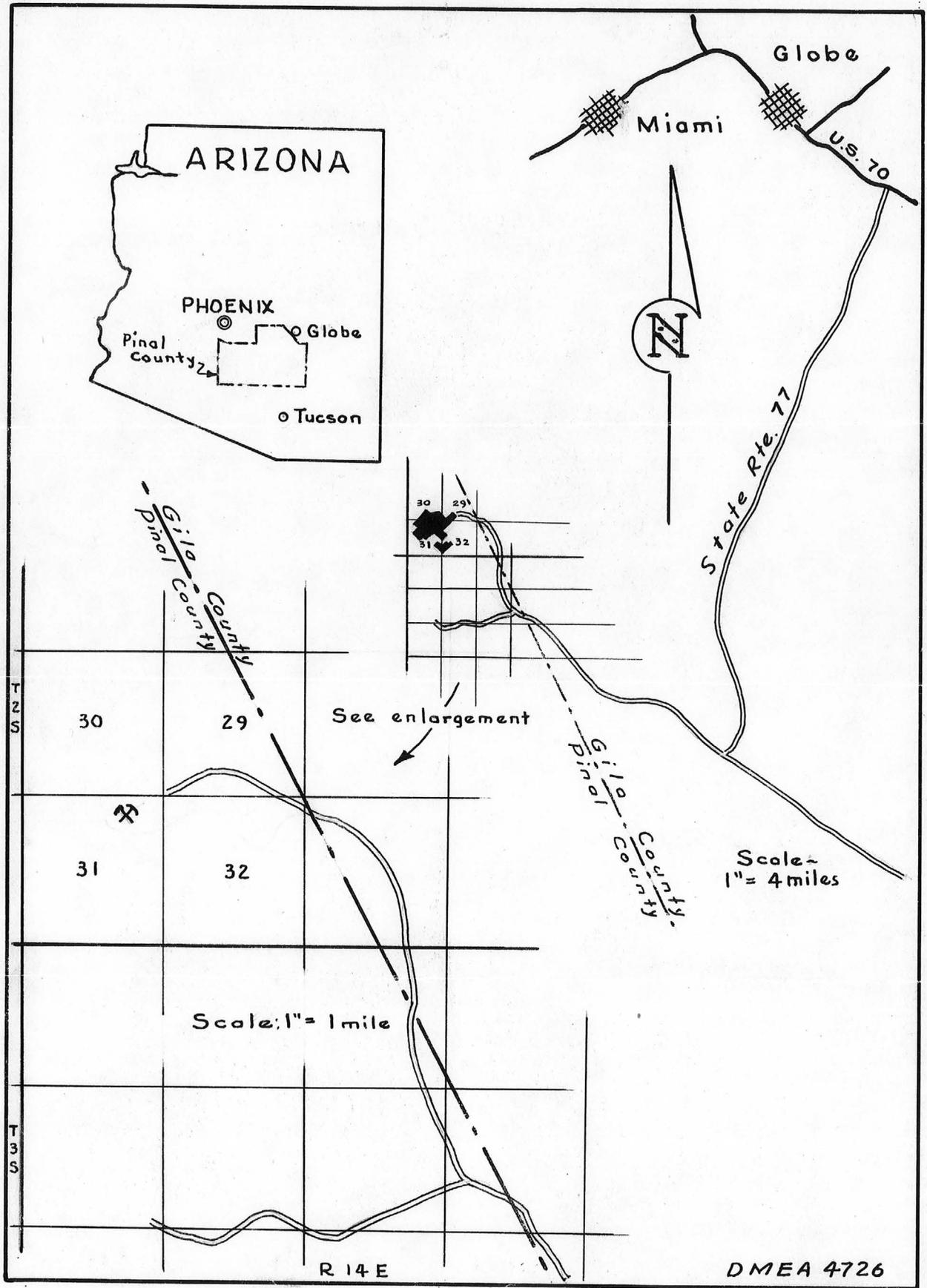
Tom Stone
River

Mammoth
Mines



0 1 2 3 4 5 6 7 8

S

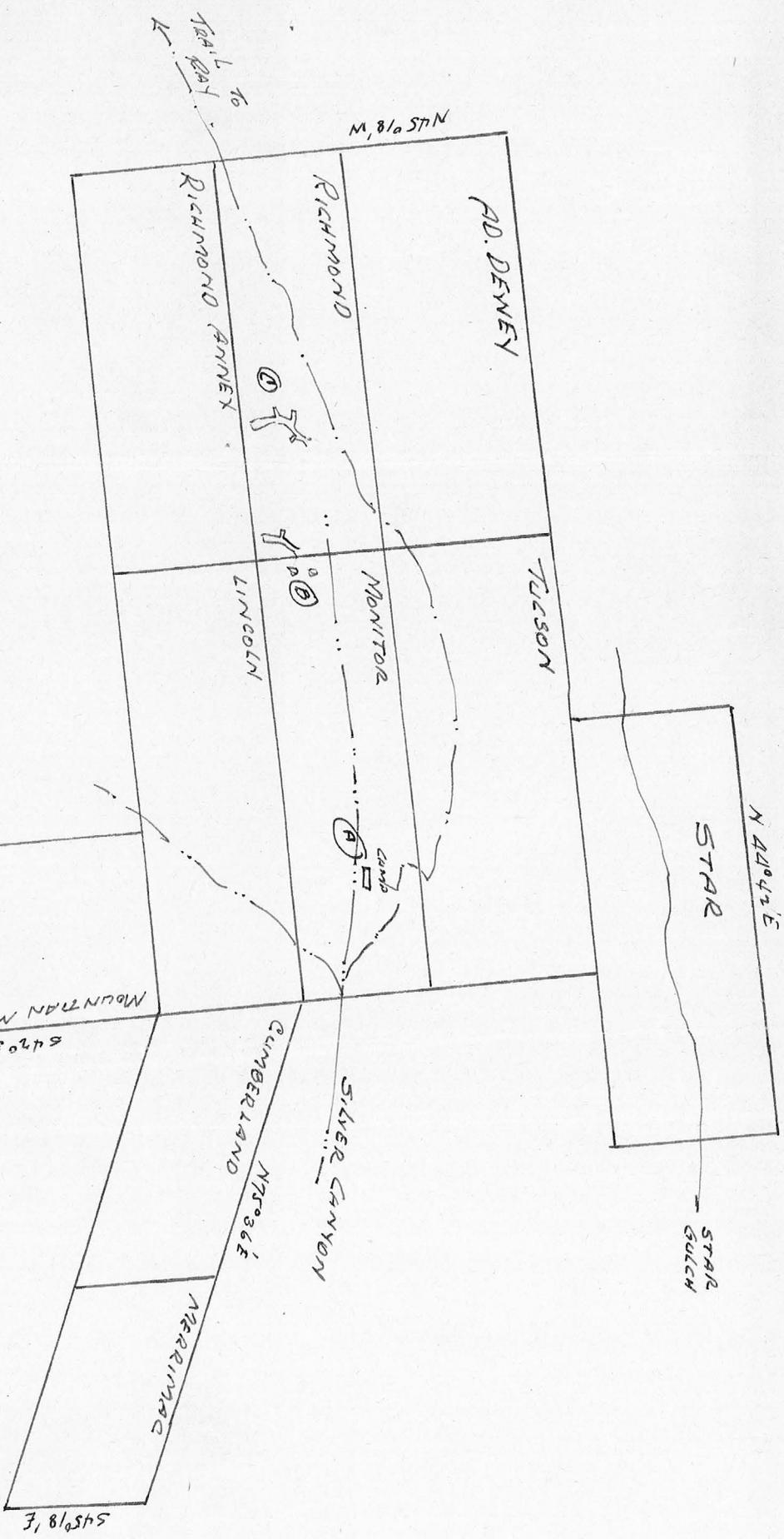
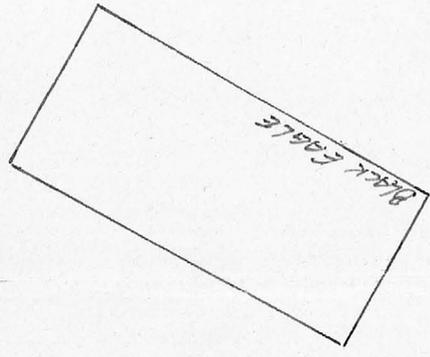


F. 6

Fig. 1 Location map, Harry J Hagen
Monitor Group of Claims
Pinal County, Arizona

COPPER

NOT TO SCALE



CLAIM MAP
 GROUP
 MONITOR
 PINAL COUNTY

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Monitor Claims

Date November 18, 1960

District Banner District - Pinal County

Engineer Lewis A. Smith

Subject: Interview with Carley Moore

Carley Moore said that H. C. Smith was currently sinking a shaft on the Monitor claims. He did not know any more about it, but would try to get more data for us.

**INTERNATIONAL SMELTING & REFINING COMPANY
MIAMI PLANT**

Smelter Lot.....2775.....

DATE...February 11, 1949.....

Shipper Lot.....1.....

Date Received...February 7, 1949.....

BOUGHT OF Monitor Mining & Development Company

Street..... 505 Title & Trust Building

City..... Phoenix, Arizona.....

CAR		WET WEIGHT	Moisture %	DRY WEIGHT	N. Y. QUOTATIONS	
Initial	Number				Date.....	
ICC	219	62,220	9.00	56,620		
					Copper (per lb.)..... 23.20	
					Less..... 2.5 = 20.70¢	
					Silver (per oz.)..... 90.00¢	
					Gold (per oz.).....	

ASSAY and ANALYSIS	PAYMENTS PER TON				DEBITS	CREDITS
Copper 2.20 %	44.0	lbs. per ton less 10#	% 34.0	lbs. at 20.70¢	Per lb.	7.04
Silver 7.81 oz.	7.81	oz. per ton, less 5	% 7.42	oz. at 90.00¢	Per oz.	6.68
Gold Tr. oz.		oz. per ton, less	%	oz. at	Per oz.	
Silica 64.2 %		units at		Per unit		
Alumina 16.1 %		units at		Per unit		
Iron 5.5 %		units at		Per unit		
Lime 1.0 %		units at		Per unit		
Sulphur %		units at		Per unit		
Excess Metal Values.....						
Treatment charge.....					3.50	
					3.50	13.72
						10.22
						289.33
						160.22
						129.11
						16.12
						112.99

Royalty to be paid to
W. P. Roseman, Executive of
Estate of Dan F. Roseman c/o
D. V. Mulhern, Title & Trust Bldg
Phoenix, Arizona
Trucking to be paid to

28.31 Dry tons at \$ 10.22

Sampling, tons @
Freight,
Trucking, 31.11 tons @ \$5.00 = \$155.55 + \$4.67

AMOUNT DUE SHIPPER

Less 10 % Royalty of \$161.16

NET AMOUNT DUE SHIPPER

Smelter Net for Royalty

Smelter Net

Trucking 31.11 tons @ \$4.00 = \$124.44 + \$3.73 tax

\$289.33

128.17

161.16

Correct: *J. E. Sten*

Approved: *H. Allen*

**INTERNATIONAL SMELTING & REFINING COMPANY
MIAMI PLANT**

Smelter Lot **2830**

DATE **March 4, 1949**

Shipper Lot **6**

Date Received **March 1, 1949**

BOUGHT OF **John D. Tynes**

Street **Box 133**

City **Winkelman, Arizona**

CAR		WET WEIGHT	Moisture %	DRY WEIGHT	N. Y. QUOTATIONS
Initial	Number				
ICC	211	92,260	5.00	87,647	Date.....
Additional Royalty ✓ 5% Monitor Mining & Development Company 505 Title & Trust Bldg. Phoenix, Arizona					Copper (per lb.)..... 23.20
					Less 2.50 = 20.70¢
					Silver (per oz.)..... 90.00¢
					Gold (per oz.).....

ASSAY and ANALYSIS	PAYMENTS PER TON		DEBITS	CREDITS
Copper 2.32 %	46.4 lbs. per ton less 10%	36.4 lbs. at 20.70¢		7.53
Silver 8.15 oz.	8.15 oz. per ton, less 5%	7.74 oz. at 90.00¢		6.97
Gold Tr. oz.	oz. per ton, less %	oz. at Per oz.		
Silica 57.2 %	units at	Per unit		
Alumina 16.0 %	units at	Per unit		
Iron 3.2 %	units at	Per unit		
Lime 3.5 %	units at	Per unit		
Sulphur %	units at	Per unit		
Excess Metal Values				
Treatment charge			3.50	
TOTALS			3.50	14.50
Net Value per ton				11.00

Royalty to be paid to W.P. Roseman, Executor of Estate of Dan F. Roseman c/o D. V. Mulhern, Title & Trust Bldg., Phoenix, Arizona	43.8235 Dry tons at \$ 11.00	482.06
Trucking to be paid to W. L. Tynes Box 962 Hayden, Arizona	Sampling, tons @ Freight, Trucking, 46.13 tons @ \$5.00 = \$230.65 + 6.92 tax	237.57
	AMOUNT DUE SHIPPER	244.49
	Less 10% Royalty W.P. Roseman Monitor M. & Dev. Co.	29.20 14.60
	NET AMOUNT DUE SHIPPER	200.69

Smelter Net for Royalty Payment 482.06
Smelter Net 190.06
 Less Trucking 46.13 tons @ \$4.00 = \$184.52 + 5.54 tax 190.06
Net for Royalty \$292.00

Correct: *J. Sloan*

Approved: *H. Allen*

VALLEY NATIONAL BANK

Items received for deposit or collection are accepted on the following terms and conditions. This Bank acts only as depositor's collecting agent and assumes no responsibility beyond its exercise of due care. All items are credited subject to final payment and to receipt of proceeds of final payment in cash or solvent credits by this Bank at its own office. This Bank may forward items to correspondents and shall not be liable for default or negligence of correspondents selected with due care nor for losses in transit, and each correspondent shall not be liable except for its own negligence. This Bank or its correspondents may send items, directly or indirectly, to any bank, including the payor. Items and their proceeds may be handled by any Federal Reserve bank in accordance with applicable Federal Reserve rules, and by this Bank or any correspondent, in accordance with any common bank usage, with any practice or procedure that a Federal Reserve bank may use or permit another bank to use, or with any other lawful means. This Bank may charge back, at any time prior to midnight on its business day next following the day of receipt, any item drawn on this Bank which is ascertained to be drawn against insufficient funds or otherwise not good or payable. An item received after this Bank's regular afternoon closing hour shall be deemed received the next business day.

The Bank Symbol, Transaction Number, Date, and Amount of Your Deposit Are Shown Below.

VNB P-1 100 FEB 8 88.78 D3

THIS IS YOUR RECEIPT

Retain until you have verified it with your statement

208-41
next business day.

The Bank Symbol, Transaction Number, Date, and Amount of Your Deposit Are Shown Below.

VNB P-1 316 MAR 11 29.20 D10

THIS IS YOUR RECEIPT

Retain until you have verified it with your statement

208-41

A MR. ^EHAGAN OF Globe, Arizona,

is operating the "MONITOR GROUP",

Pinal County.

February, 1957

Roseman, Dan F. *Deceased*

Box 134

Ray, Arizona

*now owned by
W. P. Roseman*

6-22-39

See MM-16 - Re Owners Mine Report - MONITOR GROUP, Pinal Co.

See MS-101 - Re Owners Mine Report - SOUTHWEST COPPER CO. 8-14-42 Pinal Co.

See MONITOR GROUP - Re outline of terms on sale of group of mines
10-5-42

W. E. HAWLEY
ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER.
DOUGLAS, ARIZONA
537 12TH STREET
BOX 151

F. L. HAWLEY
SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

HAYDEN, ARIZONA
BOX 743

We hereby certify that the following results were obtained from samples of Henry Bollweg Jr.

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT			GOLD VALUE	SILVER VALUE	TOTAL VALUE
174607	#1		Trace		.06					
174608	2		5.2		2.18					
174609	3		1.9		.74					
174610	4		2.6		1.36					
174611	5		Trace		.15					
174612	6		2.2		1.86					

Smithwest Copper

METAL QUOTATIONS:

Gold \$35:00 per oz. Copper _____ c per lb.

Charges: \$ 12.00

HAWLEY & HAWLEY

Silver, _____ per oz. _____ per lb.

Date 11/25/42.

Per

F. L. Hawley

Assayer.

No. 386 De

Phoenix, Arizona,

July 29, 1948.

CHAS. A. DIEHL

Arizona Assay Office

VALUES
 1 oz. Gold.....\$35
 1 oz. Silver.....90¹/₂
 1 lb. Copper.....
 1 lb. Lead.....
 1 lb. Zinc.....

Phone 3-4001

815 North First Street

P. O. Box 1148

THIS CERTIFIES That samples submitted for assay by DEPARTMENT OF MINERAL RESOURCES contain as follows per ton of 2000 lbs. Avair.
 Mineral Bldg. - Fairgrounds

MARKS	No.	SILVER		VALUE	GOLD		VALUE	TOTAL VALUE of Gold & Silver	PERCENTAGE		REMARKS
		Ozs.	Tenths		Ozs.	100ths			COPPER	LEAD	
Monitor	32	10	.1	\$9.14	.02	\$.70			2.45		Along fault zone mineralize
Lead Queen	33	1	.7	\$1.53	.16	\$5.60			47.82		across mineralized zone
Richard Arlyn	34	3	.2	\$2.89	.52	\$18.20			24.80		
" "	35	9	.0	\$8.14	.29	\$10.15			.61		
Monitor 40'	36	17	.4	\$15.74	.02	\$.70			2.50		

Charges \$ 12.50

Assayer ARIZONA ASSAY OFFICE



MONITOR GROUP

From Abstract of Title to Real Estate situated in Pinal County in the State of Arizona.

The following mining claims situated in the Mineral Creek Mining District, Pinal County, Arizona, known as the Monitor Group of Mining Claims:

<u>Recorded In</u>	<u>Book</u>	<u>Page</u>	<u>Date</u>
- Cumberland	42	194	6-30-1940
- Merrimac	42	191	6-30-1940
- Richmond	42	187	6-30-1940
- Richmond Annex	42	183	6-30-1940
- Monitor (location of work house)	42	199	6-30-1940
- Tucson	42	189	6-30-1940
- Mountain Maid	42	188	6-30-1940
- Admiral Dewey	42	193	6-30-1940
- Star	42	192	6-30-1940
- Black Eagle	42	190	6-30-1940
- Lincoln	42	180	6-30-1940
X Twentieth Century	18	297	3-25-1901
X Flip Top	28	99	6-3-1912
X Woodrow Wilson	30	11	5-6-1913
- Silver Canyon No. I	42	269	3-8-1927
- Silver Canyon No. II	42	270	3-8-1927
- Silver Canyon No. III	42	271	3-8-1927

Twelve of the claims were bequeathed to Dan F. Roseman by the original owners, Thomas Haley and Wm. Suffrien. The remaining number of the claims were located, named and published by Dan F. Roseman. The assessment work on each and all the claims has been done each year up to date; the same recorded by Dan F. Roseman, Ray Arizona, as shown by the mining records of Pinal County. If any party wants to further examine or desires information on the Monitor Group of Mining Claims, they may address W. P. Roseman, Executor of Dan F. Roseman's Estate, or D. V. Mulhern, 302 Arizona Title Building, Phoenix, Arizona, Telephone: 3-7605.

July 1951

NEW

Eagle Brand
1/36" Mill Mining Claim

Dec. 29-50
K. J. R. M. E.

SOUTHWEST COPPER COMPANY

Organization:

The company is chartered under the laws of Arizona for 5,000,000 shares of no par value non-assessable common stock. The company has no preferred or preference stock.

Properties:

The company properties comprise sixteen mining claims all of which are contiguous and located in the Mineral Creed Mining District, Pinal County, Arizona. The names of these claims are as follows: Cumberland, Merrimac, Richmond, Richmond Annex, Monitor, Tucson, Mountain Maid, Admiral Dewey, Stare, Black Eagle, Lincoln, Tip Top, Woodrow Wilson, Silver Canyon No. 1, Silver Canyon No. 2, and Silver Canyon No. 3. These claims are the usual size - 600 feet by 1500 feet each.

Accessibility:

The properties represent a group of mines known as the "Monitor Group," situated five miles northeast of Ray, thirteen miles southwest of Miami and eleven miles northwest of Christmas, all towns being stations of the Southern Pacific Railroad. To reach the property from Ray requires a three hour trail trip which could not be made practicable for extensive operations. The construction of about seven miles of truck road would connect the property with the new Globe Highway to Miami. Engineers consider the most easily accessible railroad point is Christmas. From this station there has been built five miles of truck road up Mineral Creek toward the properties. An extension of this road to the properties is now under survey and construction. This road will give a grade of not to exceed 2% from the properties to the railroad station and will enable economical transportation of ore, supplies and equipment.

Titles:

All of the claims are patented and owned by the company by deed.

History:

The properties were located over forty years ago and have been held by the same owners ever since until purchased by Southwest Copper Company in 1929. The earliest report available was written in 1900 by a London engineer. A portion of this report is included elsewhere in this circular.

Development:

The property is thoroughly prospected by tunnels, shafts, drifts, winzes and discovery cuts made at various points over the sixteen claims to check the veins and values. About 2500 feet of underground work has been completed on the properties. There are eleven dumps upon which are ores of shipping grade carrying copper and silver. There are approximately 200 car

loads of shipping ore upon the dumps. The high values of the main veins and the width of the mineralized area indicate a steam shovel operation of large magnitude. The company is employing Mr. Lynwood Garrison of Philadelphia, noted mining engineer, to re-check the opinions of several engineers regarding the larger development and operation of the properties.

Engineer's Report:

The Monitor Group of copper mines situated in Mineral Creek Mining District, Pinal County, Arizona, consists of 16 full claims 600 by 1500 feet in size. These mines lie near the northerly end and on the eastern branch of Mineral Creek, at an elevation of about 3500 feet above sea level. Just across the narrow valley of Mineral Creek and to the East of the group rise the pine-clad Pinal Mountains to an altitude of ten thousand feet. The lower edge of the pine timber belt of the Pinals is distant from the Monitor Group of mines about six miles, but as a splendid wagon road, leading from Globe into the pine timber, passes within four miles of the Monitor Group it will be necessary to build only four miles of road to give access from the Monitor to the heavy pine timber. The construction of this road would not involve a large outlay as a natural ridge, termed locally a "hog back", leads down from the Globe timber road to the Mineral Creek valley, about one-half mile below the Monitor Group. This short piece of road would serve the double purpose of connecting the mines with the heavy timber and with the railroad station at Globe, distant from the Monitor Group about nineteen miles. About one-half mile below the Monitor Group a wagon road leads up a narrow valley to a connection with the Troy and Florence stage road, distant five miles. This would give the Monitor Group an outlet to Christmas on the Southern Pacific Line, hence a company operating the Monitor Group would have two railroad stations to choose from in selecting a shipping point.

There is an abundance of pure spring water on the Monitor Mine for both milling and camp purposes, hence there is no question as to the water supply, and the question can be fully settled as to mine timbers by the construction of the four miles of road above mentioned.

The climate is marvelously healthful and delightful the year round, and the surrounding scenery is grandly picturesque.

The Monitor Group lies in the same mineral belt in which is situated many large mines. Five miles to the south are the Ray mines (Nevada Consolidated Copper Co.) and all the great productive copper mines of the Globe district are ten to twenty miles Northeast; in fact, the Monitor Group is in the heart of one of the greatest mineral belts of Arizona, containing a great diversity of mineral wealth, namely copper, gold, silver, lead, iron, zinc and many of the rarer metals. That this belt will be the source of great future wealth is beyond question. It needs only money and muscle intelligently expended and directed to open here some of the richest treasure vaults of the earth.

The general formation of "County rock" of the Monitor Groups is lime and porphyry, with occasional intrusions of trap rock a favorable formation for copper. The inclination of the rock strata is to the South, while the pitch of the veins is uniformly to the North, and with a few slight variations, trend East and West. Hence the veins cut through the formation, with one exception. This is indicative of permanence. The exception noted is the main vein of the monitor and Richmond claims, which lie in a contact between the lime and porphyry.

This is most trustworthy evidence of permanence in a vein. There are also lime spar dykes cutting across the formation parallel with the veins, and in some instance, these dykes form the hanging wall of the veins.

The Monitor Mine:

Is the most extensively developed property of the group. A shaft was sunk on the main or central vein of this claim to a depth of eighty feet, at which point the inflow of water became so strong that it could not be handled by a windlass and bucket and work was suspended. This shaft shows high grade ore all the way down as far as I could go, and the owner informed me that an average sample from below water level assayed 200 ozs. silver and 35% copper per ton. Judging by the ore in sight, I do not doubt the statement. The vein in this shaft gradually widened as depth was attained and at the lowest point reached by me it was fully six feet in width between the porphyry foot and the lime hanging wall. A tunnel was run in the vein to tap and drain this shaft, but unfortunately, through miscalculations, the tunnel was started at too high an elevation.

It was driven in a distance of 200 feet and tapped the shaft about fourteen feet above the bottom of the latter. However, the tunnel was not "dead work" as the greater portion of it was in the ore chute, and for this reason it was extended along the hanging wall sixty-two feet beyond the shaft, making the whole length of the tunnel 262 feet. The vein exposed in this tunnel is over 6 feet wide and carries copper sulphides which according to sample assays give a general average from wall to wall of seven per cent copper and sixty ounces of silver per ton. Besides the main or central lead there are five small veins on the Monitor, running parallel with the main lead, two on the south and three on the north side of the main lead. On the just south vein, and near the 80 foot shaft above described, a shaft has been sunk to a depth of 20 feet.

It shows a pay streak in porphyry, about 4 feet in width, carrying ore which averages by sample assay 75 ounces silver per ton and 25 per cent copper. On the next vein south and but a short distance from the 20 foot shaft above described a 30 foot shaft has been sunk. The pay streak in this shaft is about 3 feet wide and the ore the same grade and character as that of the 20 foot shaft above mentioned. There has been some drifting and "gouging" in the shaft by leasers during the absence of the owners. The first vein north of the main lead shows some high grade lead and copper ore on the surface but it has not been developed to any extent yet. The second lead north of the main lead has been prospected by a sixty foot tunnel, driven in the vein. This tunnel shows pay ore from the breast to the face, the pay streak being about three feet in width. This pay streak by sample assay gives a general average of 50 ounces silver per ton and 27 per cent copper. The third vein north of the central lead has been rprospected only by a small open cut which shows a small streak of high grade copper ore carrying a high per cent of iron. About 50 feet from the face of the 262 foot tunnel a drift has been run into the country rock and a winze sunk at the breast of this drift to a depth of ten feet to procure a pure water supply for camp purposes. The water overflows from the winze and runs out through a gutter cut along the bottom of the tunnel. A stream sufficient in volume to water a large number of cattle flows out through this gutter continuously.

The Richmond Mine:

Is the West extension of the Monitor and its central vein is a continuation of the Monitor's central vein. Near the east end of this claim a shaft has been sunk, vertically to a depth of 110 feet, with a 30 foot cross cut at the bottom.

The timbers forming the collar of the shaft have decayed and some of them given away. They will not support a windlass, consequently I could not go down this shaft. I have been assured, however, by the men who sunk the shaft and made the crosscut, that the latter exposes an ore body 27 feet in width, assaying as high as 200 ounces silver and averaging 27 per cent copper and three hundred feet further west a shaft has been sunk to a depth of 40 feet on the vein and shows a pay streak about three feet in width and extending from the top to the bottom of the shaft, the ore being the same grade and character as that exposed in the other opening along the central vein. A tunnel was run a distance of 120 feet to connect with the bottom of this shaft and an upraise was made from the breast of this tunnel to a height of thirty feet. But this upraise must be extended ten feet or more higher in order to connect with the bottom of the shaft. This will give the shaft a depth of eighty feet. The pay streak in this upraise is 4 feet wide and shows the same grade and character of ore as in the shaft. A 40 foot crosscut was made near the face of the tunnel and the same shows vein matter about 30 feet in width carrying a fair grade of sulphide of copper ore which by assay gives a general average of 7 per cent. At this point the Dewey vein, which has a north and south course, comes into the tunnel and crosses the crosscut. It carries 3 feet of good ore. There are two more veins on the Richmond, one on each side and running parallel with the main or central vein. They have not been prospected to any great extent but where opened show the same high class ore found in the principal lead.

The Dewey Mine:

Lies north of and almost at a right angle to the Monitor and Richmond mines, its vein having a northerly and southerly trend. The Dewey is comparatively a recent discovery and is exploited only by the discovery shaft which has a depth of about 30 feet. This shaft reveals an exceedingly rich pay streak about 20 inches wide, which yields an average of 40 per cent copper and 300 ounces silver per ton. The vein matter is about 3 feet in width.

The Tucson Mine:

Lies between the Dewey and the Richmond and Monitor and parallel with the latter. It was but recently discovered and is open only by the discovery shaft which is 12 feet deep. It shows a 6 foot vein carrying high grade ore the same in character as that of the sister veins.

The Mountain View:

Abuts the west end of the Tucson claim. Here the formation changes the vein, which is 6 feet wide, lies in a contact, between trap rock and sandstone. This claim has on it two shafts, one thirty and the other ten feet deep. Both are on the vein and show a good grade of lead and copper ore. No assays have been made of this property.

The Cumberland and Merrimac:

Mines lie to the southwest of the Monitor and Richmond and have a northwest and southeast course. They cover the same vein for a length of three thousand feet. The vein has a uniform width of about 4 feet except on the east end of the Merrimac, and carries the same grade and character of ore as that of the Monitor and Richmond veins. On the Cumberland there is only a 14 foot shaft and some open cuts. Near the easterly end of the Merrimac is a large "blow-out" upon which 4 shafts have been sunk to a depth of 12, 25, 30 and 40 feet respectively. All show the same high grade ores carried by the other veins of the group.

The Ores:

Of the Richmond, Monitor, Dewey, Tucson, Cumberland and Merrimac are remarkably uniform in grade and character. They consist of copper sulphides, and sulphurets, cuprite, "peacock copper," virgin silver, bromides, sulphides and chloride of silver. But the ores of the Mountain View show a predominance of lead.

The Gangues of the Veins:

Are also uniform, being a siliceous material, except at a few points where lime spar has been pushed into the veins and at a few other points where porphyry has intruded and taken the place of the regular vein matter. The walls of the veins are all coated with a heavy talc selvage. There is a large amount of high grade ore in sight in the various workings.

A large amount of rich ore has been shipped from these properties at various times by leasers, but I was unable to get smelter returns from any of the shipments except one in which the owners were themselves interested. This was a shipment of seventeen and one-quarter tons shipped to the Silver City smelter. The shipment netted at the smelter a little over \$4,000.00

Taken as a whole, I do not know of so promising a group of copper prospects in Arizona, taking into account the character and value of the ore so far exposed to view. There are large bodies of ore in other prospects, of course, but none so uniformly high grade in both silver and copper. I am firm in the conviction that these properties, while undergoing systematic and intelligent development, would yield enough high grade shipping ore in a short time to more than cover the purchase price and at the same time leave a large surplus of a high grade second class ore on the dumps.

Respectfully submitted,

THOMAS F. WEEDIN, Mining Engineer.

Original Sets Exhibit A

Phoenix, Arizona
January 15, 1947.

The attached prospective, compiled from surveys made of the Monitor Group of Claims by some of the best mining engineers in Arizona in 1927, gives facts and figures attested to before the State Mining Commission under oath. The Company was all ready to be launched when the financial crisis of 1929 occurred. The stock was withdrawn from the market and activities in launching the Company suspended. After the severity of the depression subsided it was discovered that the president, one of the largest financial backers, had died. This, coupled with the fact that the future economic and social outlook was not too promising, compelled the Company to give up its charter. Thereupon, the Monitor Group of Mines were returned to the original owner, Dan F. Roseman, Ray, Arizona. Dan F. Roseman died April 15, 1943, and his brother, William P. Roseman, has been appointed Executor of his brother's Estate.

~~3020 Arizona Title Building~~

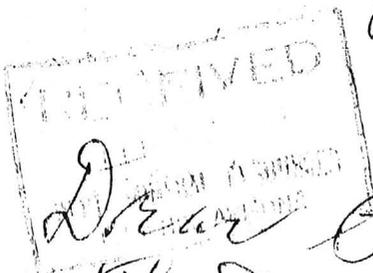
William P. Roseman

Written for Vis. 2/4/57

Department of Mineral Resources

State Legislature

Phoenix Arizona



Dear Sirs; I am administrator

of the Dan F. Rosmans Estate, which includes a 2/3 interest in the Monitor Group of mines about 4mi south of Ray Arizona and 1 1/2 E. of Globe. They were leased to R. G. R. France, 311 W Montebelle Ave. Phoenix and a Mr. E. F. Moores P.O. Box 691 Globe Ariz. The past year attorney D. H. Mulhern, who ~~formally~~ took after them died about two years ago, and since then I have been trying to look after them myself. I am passed 83, and not too robust. Will you please give me the name of a man who might take the management of those claims on a Commission basis. Last year they yielded about \$2.50 in all, over

I am told that the big cattle
men are looking for cattle ranges
on which to fasten some of their
yearlings, also, sheep. The rental
rate, it is told, is 1.00 per month, or
10.00 per year for yearlings and 60¢
per month & 8.50 per year for sheep.
Suppose we took on 1000 sheep at ~~5.00~~
and 5000 yearlings at 10.00. This would mean
\$55,000 dollars from pasturage while
we are waiting for the price of
copper & silver to go up. In fact both
industries could run parallel. If you
know of some trustworthy party, will
you write me.

Also, will you give me the name
of a man who is interested in agri-
culture and cattle raising.

I thank you very kindly for this in-
formation.

Very truly yours
W. P. Roseman

17 claims 350 acres
put up but not over 10 head
of cattle or sheep.

Present Operations #3 in cut 10' x 10' 15' to bedding floor carb and oil

New Work Planned at one fault that are vertical

Misc. Notes fault for 8 ft

Mine Supt. Mill Supt. Principal Metals Men Employed Production Rate Mill Type & Capacity Power Out & Type

3950

DEPARTMENT OF MINERAL RESOURCES

News Items

Date 8-7-78

Mine Monitor

Location Roseman Est.

Owner Steve Cochrane

Address Lessee
a

Operating Co. Pa

Address sample #1 X-45¹
~~sample #2~~

Pres. Parallel to bedding

Genl. Mgr.

Mine Supt.

Mill Supt. Sample #2 in to

Principal Metals #1 X bedding

Men Employed X 60'

Production Rate

Mill, Type & Capacity Cleaned off
area 100' by 75'

Power, Amt. & Type would slush
120' E of Jammal

Signed by Monitor

(Over)

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



February 8, 1957

✓
Mr. W. P. Roseman
288 N. Prairie
Whitewater, Wisconsin

Dear Mr. Roseman:

We have your request of February 4 concerning someone to
take over the management of the Monitor Group of claims.

We would suggest you write to Robert E. McGhee, Attorney-at-law,
149 South Broad Street, Globe, Arizona.

Very truly yours,

FRANK P. KNIGHT, JR.
Acting Director

FK:lp

W. H. S
#32 7-25-78 ✓ *WHS*

MONITER COPPER 17 CLAIMS
9 MILES FROM KELVIN
VEIN IS 80' WIDE, TRACEABLE ON
THE STRIKE FOR 1/2 MILE
STRIKE IS EAST-WEST; DIP IS
ABOUT 80% TO SOUTH.

NUMEROUS NARROW STREAKS
OF BORNITE OCCUR IN THE
VEIN.

HAS BEEN TRENCHED BY STEVE
COCREHAM FOR A DISTANCE OF
80' AND RAN 2.2 C.U AND 5 OZ
SILVER.

SMELTER RETURNS ON 8 CARS
WERE AS FOLLOWS

1	CAR RAN	26.92	PER TON		
2	CU	2.86%	AG	18.94 oz	SILICH 36.5
3	CU	3.06%	AG	14.39 oz	" 64.0
4	CU	2.04%	AG	6.56 oz	" 56.8
5	CU	1.78%	AG	5.69 oz	" 59.0
6	CU	2.02%	AG	5.37 oz	" 54.0
7	CU	5.70%	AG	32.82 oz	" 55.0
8	CU	3.10%	AG	9.39 oz	" 52.00

THERE IS A GOOD ROAD TO THIS
PROPERTY; PROPERTY IS OWNED BY
STEVE COCREHAM

SAMPLES WERE CUT IN 2
40' CUTS ABOUT 15' DEEP

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

Date Aug 7, 1978

- Mine: Monitor Group
- Location: Sec. 31 32 Twp. 2 S Range 14 E Nearest Town Globe
Distance 3.5 Direction SW Road Condition Fair, but steep
cannot be made by car
- Mining District & County: Dripping Springs, Pinal
- Former Name of Mine:
- Owner: Dan F. Roseman Estate
Address: D.V. Mulhern, Arizona Title Bldg, Phoenix
- Operator: Steve Coorehan
Address: Box 679, Globe, Ariz.
- Principal Minerals: Cu, Ag, Au.
- Number of Claims: 17 Lode Placer
Patented Unpatented
- Type of Surrounding Terrain: Rough

10. Geology & Mineralization: Cu occurs as azurite, malachite
f. Chrysocolla ~~along~~ in bedding planes of shale
along fault. Mineralization about 8' either side.

11. Dimension & Value of Ore Body: Exposed along surface
for 125' x 16'. Sample cut along strike of
fault showed 1.70% Cu. Tr Au. 0.7% silver for
80'. Sample cut across vein 15' to above
showed 0.36% Cu. Tr. Au. 0.4% Ag. Since
mineralization is in shale alumina is
probably high.

12. Ore "Blocked Out" or "In Sight": *16' x 125' by 25'*

Ore Probable: *questionable*

13. Mine Workings—Amount and Condition:

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: *None*

15. Brief History: *Worked intermittently for 60 years for Au. Ag. ore packed out by burros.*

16. Signature: *visited Walcott & Manning 8-48*

17. If Property for Sale, List Approximate Price and Terms:

Value of Properties:

The properties have been variously estimated. To the value of the available ore at present should be given consideration of the huge quantities of ore in sight. The present development work would indicate that ore could be blocked out at from 45 to 60 cents per ton. It is the purpose of the company to develop additional known ore bodies during the period of equipment for large scale operations. A conservative value of the combined properties without further development or improvement is considered in excess of \$3,000,000.00 as against 250,000 shares to be presently outstanding.

Promotion Stock:

There is no Promotion Stock in the organization of this company. Every officer and director must buy and pay for in cash any reservations of stock.

Future Trend of Issue:

Copper issues have experienced a marked improvement in value in the last fifteen years. Some of the most attractive issues on the exchanges today are copper stocks. Shares of some of the now major companies could have been had a few years ago at less than one dollar per share. Check up their present exchange prices today. Stock of the Southwest Copper Company has all the features of large increase in value that were incident to other and similar companies. It is carefully estimated that the shares of the company will be selling at above \$10.00 per share by July, 1930.

Listing:

The company will make application to list its stock on a standard exchange when 15% of its stock has been issued and its stockholders number two hundred persons. Present price of shares on application or through your broker.

SOUTHWEST COPPER COMPANY

Phoenix, Arizona. Philadelphia, Penna.

Silver Nickel

Mining Co.

5822 W. Michelle Drive
Glendale, AZ 85308-1244

602-439-3143

Owns 82.5 patented
acres next to

Monitor Mine

Contact: John Rothermel

MS
1533

Silver Nickel Mining
Co 602-439-3143

MONITOR GROUP

~~RENAL COUNTY~~

Nov. 30, 1930 - The old Monitor mine on the Gila River several miles above Yuma Arizona is being started up by California interests. A pump is being installed and a crew is at work on the gold placer claims. There has been considerable activity in the district recently. Many old timers including several Indians, have returned to the field, and it is reported that all the placer gold claims between The Colorado and Gila Rivers in that district have been staged and that the majority of them are being worked. Skillings Mining Review "40 yrs ago" 11/29/70

see ABM Bull. 160 p. 19

Phoenix, Arizona
February 11, 1943

MONITOR GROUP

From Abstract of Title to Real Estate situated in Pinal County
in the State of Arizona.

The following mining claims situated in the Mineral Creek Mining
District, Pinal County, Arizona, known as the Monitor Group of Mining
Claims:

<u>Recorded In</u>	<u>Book</u>	<u>Page</u>	<u>Date</u>
✓ Cumberland	42	194	6-30-1940
✓ Merrimac	42	191	6-30-1940
✓ Richmond	42	187	6-30-1940
✓ Richmond Annex	42	183	6-30-1940
✓ Monitor (location of work house)	42	199	6-30-1940
✓ Tucson	42	189	6-30-1940
✓ Mountain Maid	42	188	6-30-1940
✓ Admiral Dewey	42	193	6-30-1940
✓ Star	42	192	6-30-1940
✓ Black Eagle	42	190	6-30-1940
✓ Lincoln	42	180	6-30-1940
✓ Twentieth Century	18	297	3-25-1901
✓ Tip Top	28	99	6-3-1912
✓ Woodrow Wilson	30	11	5-6-1913
✓ Silver Canyon No. I	42	269	3-8-1927
✓ Silver Canyon No. II	42	270	3-8-1927
✓ Silver Canyon No. III	42	271	3-8-1927

Twelve of the claims were bequeathed to Dan F. Roseman by the
original owners, Thomas Haley and Wm. Suffrien. The remaining number
of the claims were located, named and published by Dan F. Roseman. The
assessment work on each and all the claims has been done each year up to
date; the same recorded by Dan F. Roseman, Ray Arizona, as shown by the
mining records of Pinal County. If any party wants to further examine
or desires information on the Monitor Group of Mining Claims, they may
address W. P. Roseman, Executor of Dan F. Roseman's Estate, or D. V.
Mulhern, 302 Arizona Title Building, Phoenix, Arizona, Telephone: 3-7605.

DATA ON MONITOR GROUP OF MINES

Weight in pounds shipped October 26, 1944:

<u>Gross</u>	<u>Tare</u>	<u>Net</u>	<u>H₂O</u>	<u>Dry Weight</u>	
48760	43860	4900	1.3	4836	(10/21)

Total Copper content: 1089 lbs.

Silver	.70625
Less	.018
Net	.69126
Copper	.11650
Less	.026
Net	<u>.09050</u>

Tons 2.4500
Dry Tons 2.4180

Assay per Ton of 2000 pounds:

		<u>Net Assay:</u>	<u>Paid For:</u>	<u>Rate:</u>	<u>Amt. per Ton:</u>	<u>Total:</u>
Silver	79.01%	79.01	75.0595	.69126	51.88	
Copper	22.51%	22.11	420.09	.0905	38.02	89.90

Insoluble	19.9
Silica	16.5
Alumina	2.0
Sulphur	4.1
Iron	9.4
Lime	8.3

Trucked to smelter at Hayden Plant.

American Smelting & Refining Co., October 26, 1944.

W. T. Parker, Box-232, Ray, Arizona
R. W. Nicholas, 311 W. Fremont Ave, Tucson, Arizona
W. Crawford, Box-52, Superior, Arizona

Data on Monitor Group of Mines.

Weight in Pounds, shipped Oct. 26, 1944

<u>Gross</u>	<u>Tare</u>	<u>Net</u>	<u>H₂O</u>	<u>Dry Weight</u>
48760	43860	4900	1.3	4836

Settlement Date: 10-21

TOTAL COPPER CONTENT: 1089 lbs.

Tons 2.4500

Dry Tons 2.4180

Silver	.70625
Less	.015
Net	.69125
Copper	.11650
Less	.026
Net	.09050

Assay per Ton
of 2,000 Lbs.

<u>Silver</u>	<u>Net Assay</u>	<u>Net Paid for</u>	<u>Rate</u>	<u>Amount per Ton</u>
79.01%	79.01	75.0595 lbs.	.69125	51.88

<u>Copper</u>				
22.61%	22.11	420.09 lbs.	.09050	38.02

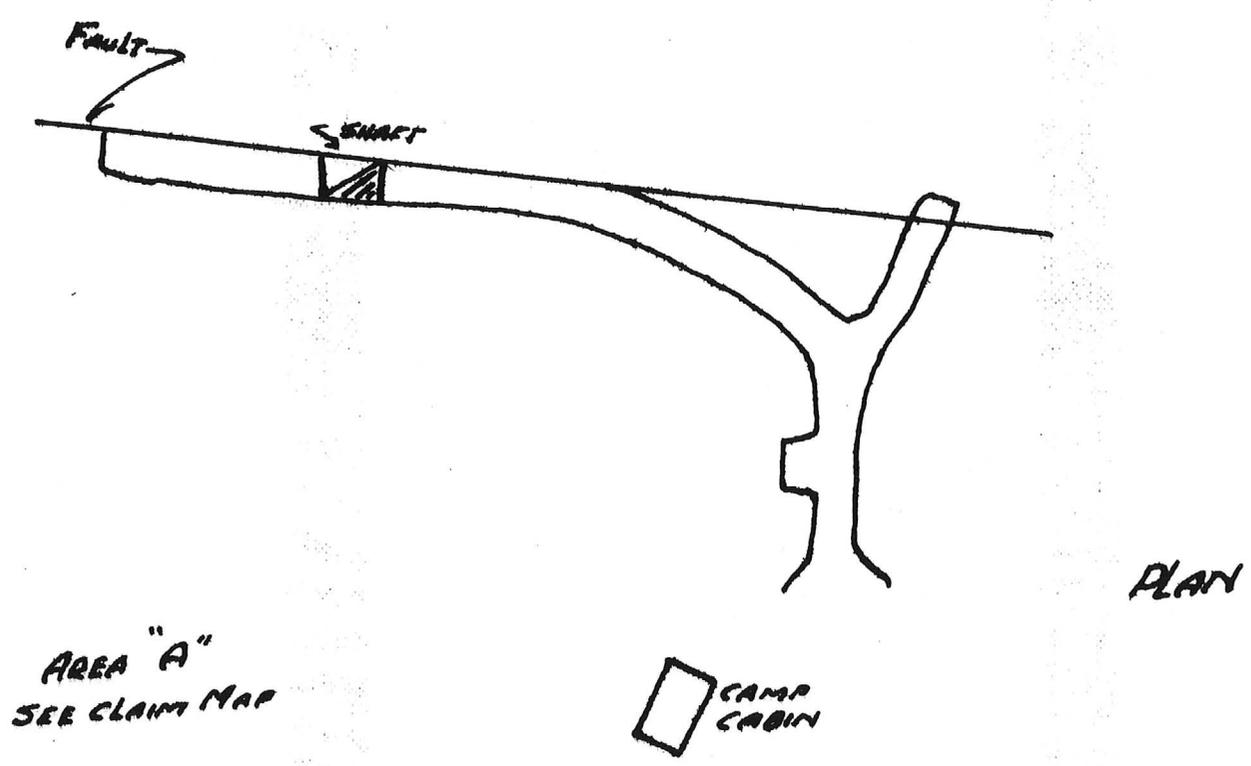
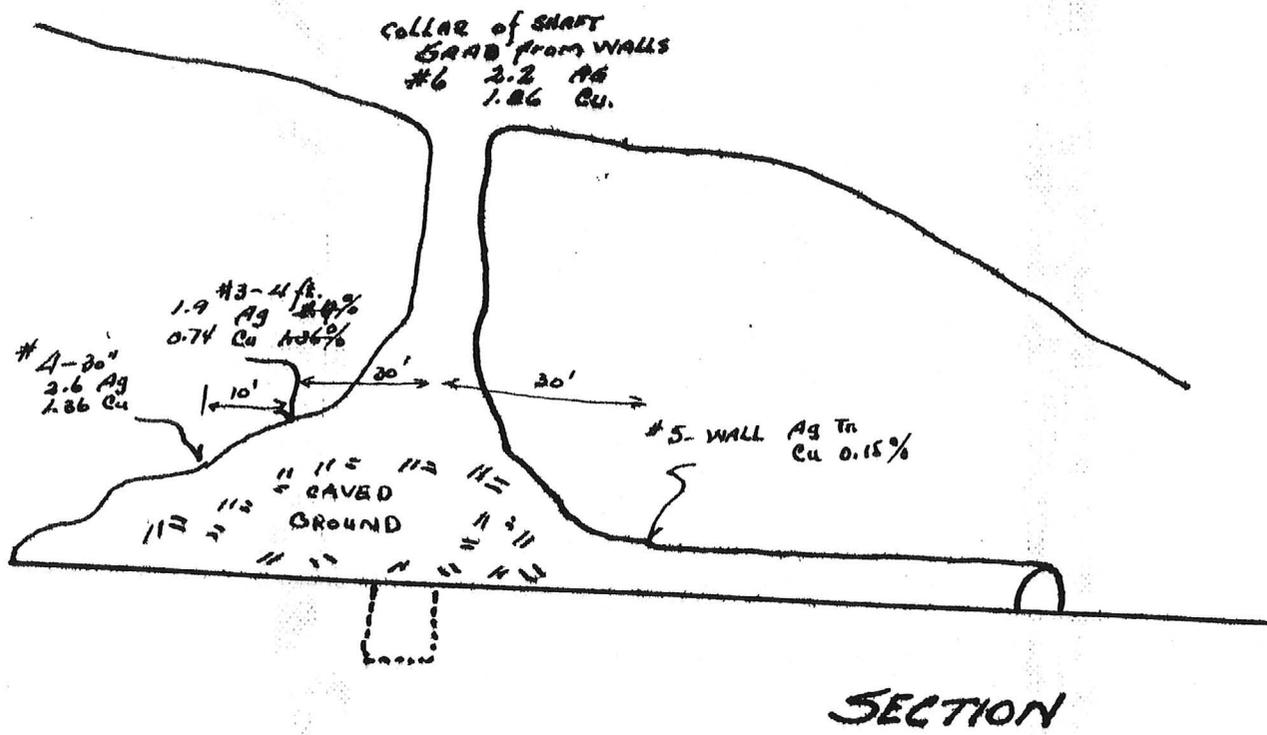
Total Payment of Metals \$89.90

Analysis:

Insoluble	19.9
Silica	16.5
Alumina	2.0
Sulphur	4.1
Iron	9.4
Lime	8.3

Trucked to Smelter at Hayden Plant, American Smelting & Refining Company
October 26, 1944.

Two men worked about 20 days
to produce the above. This was done to
further check on the value of the
Monitor Group of Mines
W.P. Roseman



Mr. J. D. Coupal
Phoenix, Arizona

Southern
Co.

Ray, Arizona
Dec. 1, 1942

BN 112

Dear Sir; -

The assay reports were delayed because the samples failed to arrive in Douglas before Nov. 27. I suppose the express company is too busy with tries to give much attention to anything else.

In answer to your question as to whether or not the property warrants further investigation I would say, if you are interested in mining a grade of ore that will directly pay mining, shipping, smelter etc charges (as in a case of a lease) my answer is 'no'. However if you are interested in a low grade property then you may investigate further."

The assay report that I mailed you tells the story fairly clear. However, I am enclosing a copy of my notes.

If Mr. Roemen feels that I missed one of his best showings, I will gladly make another trip.

I am sorry that this property showed such poor results. Altho I felt that your report and local hearsay was too optimistic, I hardly expected such poor assays.

Charges: Expenses for examination	20.00
Assays	12.00
Total	<u>32.00</u>

With kindest regards to yourself and Carl.

As ever,
Henry Barlow Jr.

The Monitor Mine (AREA "A")

This area was highly recommended by your report and also by the owners of the property. Mr. Parker showed me a dump from which he insists 7 carloads of #27⁵⁰/ton of ore were shipped. These shipments were made by leasers according to Mr. Parker. This ore was mined while sinking the shaft.

The ore is found along a contact fault. The samples taken in these workings are shown on the map. The assay shows that this work is of no commercial value. The ore is too narrow, and the value too low.

Richmond & Monitor (AREA "B")

These workings are to the south and above the camp. They consist of a long tunnel and two shafts. The face of the tunnel is in a contact. The black ground mass with some quartz was sampled and assayed; Sample #1 Ag - Tr Cu 0.06%

Sample #2 was a grab from the first 20 ft of the portal. This was in the same schist as the Richmond Mine. This sample assayed 0.2 oz/ton Ag and 2.18% Cu. This was the most interesting sample of the lot. If you are interested in a fairly large low grade deposit, then this sample warrants further investigation.

No effort was made to sample the shafts.

Richmond Mine (AREA "C")

These workings are on top of the mountain and consist of a tunnel and a shaft. The tunnel has your X-Cuts, and near the face some mining has been done by stopping. All this work is in a grey schist. This schist is mineralized along the seams and fractures in the form of copper carbonates and some copper sulphides. Two piles of high ore (sorted) are found near the portal. No samples were taken in these workings because only large samples carefully cut would give an accurate value. My guess is that this is not commercial ore.

The sorted ore amounts to some 15 tons.

THE GLOBE MINERALS EXPLORATION CO., LTD.

Head Offices
11-12 Clements Lane, Lombard Street
London, E. C.

Riverside, Pinal Co., A. T., _____

Mr. Thomas Haley

Ray, Arizona

Dear Sir,

It was impossible for me to see you again after examining your property and under the circumstances at present I am rushed so much that I can not give you any definite answer to your proposition. I made a pretty careful examination. I am convinced that considerable ore bodies can be opened up. I shall send you a copy of my reports when I have finished the same which will be in a week or so, shall let you know definitely. The samples I took gave the following results:

- | | | |
|---|--------------|-------------------|
| (1) Monitor, lower workings where boys are working on, 4 feet of vein samples, showed | Copper 16.1% | Silver 39.7% oz. |
| (2) The same place 2nd grade on dump | Copper 7.2% | Silver 13.5% oz. |
| (3) Average sample across ledge in Dewey Claim | Copper 10.0% | Silver 52.5% oz. |
| (4) Solid ore from Dewey Claim, Blackish ore | Copper 29.9% | Silver 923.0% oz. |
| (5) Sample of 2nd grade ore on dump on upper Richmond workings | Copper 13.0% | Silver 54.1% oz. |
| (6) 3 tons of ore in Monitor workings near Richmond | Copper 11.6% | Silver 23.2% oz. |
| (7) Sample of sorted ore Monitor near Richmond | Copper 29.3% | Silver 60.0% oz. |

The samples are very flattering indeed. I did not attempt, of course, to get high assay but as conservative as possible. The Monitor lower workings are very encouraging. I advise to sink if possible as there are two converging veins, which are liable to make a good showing ore body. Mr. Hill was on the ground but we are quite absorbed by Ray business, which we try to clear in the next week or so and then be ready to turn our attention. I return your assay certificate #4 of ore sample. Was checked three times so you may be sure 923.0 oz. is correct.

Please extend my regards to the boys and thank them for the hospitality extended to me.

In the hope that you and Mr. Souffrien may enjoy the best of health.

I remain,

Yours very truly

C. A. Hebulein

COPY

Phoenix, Arizona,
Feb. 6, 1930.

✓
THE MONITOR GROUP

Mr. E. M. Moores,
3610 North Central Ave.,
Phoenix, Arizona.

Dear Mr. Moores:

I am now writing you the information requested on the subject of the Monitor Mine. As you are aware, my visit to the property was one of short duration, and it did not allow me an opportunity to give it the consideration it deserves; however, I saw enough to convince me that it is well worthy of a closer and more detailed examination, the result of which would probably determine your friends to take it over.

This being a personal letter to yourself and not claiming to be a mining report drawn up with the idea of use either in a prospectus or for promotion purposes generally, I have arranged the information differently from what is usually the custom. Instead of the last paragraph containing the conclusion, I begin with the conclusion that the trip I took impressed me favorably and that I believe there is a big mine there.

The location is three and a half miles on a northerly direction from the town of Ray, in the Mineral Creek Mining District of Pinal County, State of Arizona.

There are 17 claims in the group surveyed and mapped, and, as they are the senior locations of the district, each claim is of full size and has not been cut down to conform with the lines of other locations.

All the ground is valuable for mineral, evidences of which are seen in the prominent outcrops of the ore bodies, and none has been acquired for the purpose of making a display on paper.

ACCESSIBILITY

For a mile the trail follows a fairly good road while for the last two and a half miles the trail is just a mountain trail, like the usual run of them. In the three and a half miles an increase in elevation of two thousand feet is obtained: Ray being 2,000 feet above sea level, while the Monitor mines are at an average height of 4,000 feet above sea level. These last two miles are over a country no worse than that over which the road runs to the Red Rover Mine you are working: say from Walnut Spring to Camp. It would probably cost \$2,500 per mile to build it.

TOPAGRAPY AND GEOLOGY

The appearance of the region in which the Monitor Mines are located is that of a hilly elevation, less abrupt and rugged than the country on all sides of it. Generally speaking, the approach to each claim is easy and there are no natural drawbacks to be overcome.

The course of the mineral bearing rock is traced by

prominent limestone ridges that mark the contact between the sedimentary rock and the underlying diabase and other igneous intrusives. In places there are ore bodies of high value, contiguous to andesite tuff and breccias that have been thrust through the earlier rocks and which have been responsible for the metallic contents of the intruded rocks. The mineralization of the area is not, however, depending on one series of intrusives but to a number of them and the distribution of the pay ore includes high grade deposits of smelting ore in the limestone and disseminated bodies in the porphyry.

It was the high grade smelting ore in the limestone, mined by the early owners, from the date of their location of the property in the eighties that enabled most of the development work to be undertaken. These owners, Haley and Suffren, sorted the ore and took it by wagon to Tucson in small quantities, receiving pay for it in sums which, I am informed, often exceeded \$1,000. per ton. The values being mainly in silver were the excess receipts over that obtained for 15% copper.

The money thus obtained enabled them to develop other mining properties which they sold for considerable sums of money. The Monitor group was held back meanwhile and never offered for sale. At their deaths, a few years ago, they left a sum of money in excess of \$300,000.00, part of which with the Monitor group came, by inheritance, into the hands of the present owners.

It is perhaps worthy of note that Haley and Suffren,

old time miners in the district, with a more successful history on it than any others, regarded the Monitor group as the best property there. This opinion is, I know, shared by mining men generally.

ORE VALUES

From what I could determine by my preliminary examination, the ore values vary from 2% copper and 8 oz. silver, over an area eighty feet wide in the shale and porphyry, to figures far exceeding 26% copper and 800 oz. silver which was obtained in a number of samples in the limestone from which Haley and Suffren secured the ore they shipped to smelters.

Referring to the sample assaying 2% copper and 8 oz. of silver, I may state that the 80 feet was only a part of an ore body 200 feet in width that runs through the four claims, the Richmond, Monitor, Cumberland, and Merrimac.

This sample for 30 feet was in the shale and was assayed by the Arizona Assay Office, in Phoenix: It ran 1.99% copper and 8.5 oz. silver. Fifty feet next to it on the porphyry, I assayed with the following result: 8.7 oz. in silver and 2.04% copper. The sample was carefully taken and I do not expect that a check on it will show any different result.

A width of 200 feet would constitute a steam shovel proposition. But little if any of the copper assay resulted from carbonaceous malachite being the type of copper represented in the sample. In part there was no overburden and then in

places there rested the Tornado and Martin limestones, carboniferous and Devonian rocks that have been elevated to their present horizon by the igneous batholith upon which they now rest. The strike of this disseminated ore body is east and west with a dip to the north, and it would appear that the latter is approximately 37 degrees.

It is unnecessary to give an assay list of the numerous samples taken on the limestone. They are interesting, however, and often spectacular, not infrequently carrying comparatively high grade gold values. The main feature of the proposition as a whole is the persistence of the ore bodies and their high value. As a copper, silver, and gold mine the Monitor deserves consideration and a very thorough examination.

Very truly yours,

A. C. SIMKINS

Submitted by
owner
San F. Roseman ✓
P. O. Bot 134
Ray Arizona ✓

THE GLOBE MINERALS EXPLORATION CO., LTD.

Head Offices
11-12 Clements Lane, Lombard Street
London, E. C.

Riverside, Pinal Co., A. T., _____

Mr. Thomas Haley

Ray, Arizona.

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| (4) Solid ore from Dewey Claim, blackish ore | Copper 29.2% | Silver 923.0% oz. |
| (5) Sample of 2nd grade ore on dump on upper Richmon workings | Copper 13.0% | Silver 54.1% oz. |
| (6) 3 tons of ore in Monitor workings near Richmon | Copper 11.6% | Silver 23.2% oz. |
| (7) Sample of sorted ore Monitor near Richmon | Copper 29.3% | Silver 60.0% oz. |

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In the hope that you and Mr. Souffrien may enjoy the best of health.
I remain

Yours very truly

C. A. Hebulein

From Abstract of Title to Real Estate situated in Pinal County
in the State of Arizona.

The following mining claims situated in the Mineral Creek
Mining District, Pinal County, Arizona and known as the Monitor
Group of Mining Claims:

<u>RECORDED IN</u>	<u>BOOK</u>	<u>PAGE</u>	<u>DATE</u>
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✓ Merrimac	42	191	6/30/1940
✓ Richmond	42	187	6/30/1940
✓ Richmond Anap	42	183	6/30/1940
✓ Monitor	42	199	6/30/1940
✓ Tucson	42	189	6/30/1940
✓ Mountain Maid	42	188	6/30/1940
✓ Admiral Dewey	42	193	6/30/1940
✓ Star	42	192	6/30/1940
✓ Black Eagle	42	190	6/30/1940
✓ Lincoln	42	180	6/30/1940
✓ Twentieth Century	18	297	3/25/1901
✓ Tip Top	28	99	6/3/1912
✓ Woodrow Wilson	30	11	5/6/1913
✓ Silver Canyon No. I.	42	269	3/8/1927
✓ Silver Canyon No. II.	42	270	3/8/1927
✓ Silver Canyon No. III.	42	271	3/8/1927

Twelve of the claims were bequeathed to Dan J. Roseman by the original owners, Thomas Haley and Wm Souffrien. The remaining number of the claims were located, named, and published by Dan F. Roseman. The assessment work on each and all the claims has been done each year up to date the same recorded by Dan F. Roseman, Ray, Arizona as shown by the mining records of Pinal County.

Anyone interested in knowing more about these claims may write Dan J. Roseman or Tom MacKinzie, Ray Arizona, or William P. Roseman General Delivery Phoenix, Arizona.

If any party wishes to examine the mines, they may go to Ray, Arizona and call on either Dan F. Roseman, or Tom MacKinzie and they will arrange for a guide to pilot the party to the Monitor Group of mines. Mr. Roseman or Mr. MacKinzie should be notified a day or two ahead so that they will have the guide and transportation facilities in waiting.

PRELIMINARY PROPERTY EXAMINATION REPORT #144

Copper Prospect
Date of Examination 3-3-58
Date of Report 3-18-58
GERALD WEATHERS

- I. NAME OF PROPERTY: The Monitor Group of 50 mining claims.
- II. OWNERS: The property is owned by Mr. Harry Hagen, o/o Hagen Construction Company, Globe, Arizona.
- III. TERMS: Mr. Hagen desires \$25,000 down payment, plus \$50,000 per year until a total price of \$200,000 is paid. He also desires $2\frac{1}{2}\%$ of the stock if a company built around this project is incorporated or $1\frac{1}{2}\%$ royalty.
- IV. LOCATION AND ACCESSIBILITY: The property is located in T2S, R14E, Secs. 29, 30, 31 and 32, Pinal County, Arizona. It can be reached by travelling southwest of Globe, Arizona for approximately 20 miles over mountainous dirt roads. It is possible to build about two miles of road to connect the claims with the Ray road to the southwest.
- V. DEVELOPMENT: About six miles of mine access road lead from the Dripping Spring Wash Road to the workings on the Monitor Claim. This road is connected to the other workings by another three miles of access road. Thirty-seven short adits driven along mineralized stringers were noted. Four shafts averaging 50 feet in depth were sunk, also on mineralized stringers. Other workings consist of two pits averaging 200 feet in diameter exposing faces in the hillside about 40 feet high.
- VI. GEOLOGY: The region is underlain by the Dripping Spring Mountain Range which is distinguished by its complex fault systems. Stratigraphically, from bottom to top the rocks are PreCambrian, Pinal schist, Cambrian Soanlan conglomerate, Pioneer shale, Barnes conglomerate, Dripping Spring quartzite, Mescal limestone, Troy quartzite, Devonian Martin limestone, Tertiary Dacite and Quaternary Gila conglomerate. Diabase has intruded sections of all sedimentary rocks excepting the Gila conglomerate. Porphyry dikes also cut these formations. The beds dip southwestward toward Ray and in the past apparently formed a limb of an anticlinal arch with its axis centered over the Pinal Mountains. Weathered dip slope surfaces of the sediments are common. These sediments have been broken by a series of predominantly normal faults so as to present a jumbled patchwork of limestone, quartzite, schist and diabase. Fault strikes do not follow a general structural trend.
- Ore Deposits: The ore in the Ray Mine is disseminated through the Pinal schist and is believed to have been enriched by the actions of descending solutions.

The ore on the Monitor group of claims was mined from stringers in Dripping Spring quartzite and Martin limestone. In all adits examined, thin veinlets of copper oxide, bornite and galena were followed until they pinched out or became too narrow to mine profitably. The mineralization in the two shafts

examined pinched out within 30 feet of the surface. The owners have very recently attempted to prove additional ore by driving adits along the structures under the older workings, but these failed to disclose mineralization. This exploration was either in Dripping Spring quartzite, approximately 500 feet above the schist or in Martin limestone approximately 1500 feet above the schist. The owners base their belief they are close to an ore body on the occurrence of copper sulphide in the form of bornite, which they assume to be primary and therefore to have been derived from ascending solutions, and also on the proximity of this group of claims to Kennecott's new Ray ore body.

VII. CONCLUSIONS: The occurrence of bornite in the veins of the Monitor claims does not necessarily indicate the veins will lead to a sulfide ore body since bornite is not always a primary mineral.

The former operators of the Monitor Mine chlorided copper and lead ores, which were either shipped in small quantities to the nearby smelters or to the smelter at El Paso, Texas. (promised shipping records will be forwarded when received). The workings are in formations ranging from 500 to 1500 feet above the Pinal schist, which is the host rock of the nearby Ray ore deposit.

The claims do not have developed ore reserves at the present time.

The copper oxide leach project proposed in the owners report is dependent not only on the development of a copper oxide ore body but also upon the development of a dependable source of water. As emphasized in the owner's report, these claims are in a large well known metallogenic province and are surrounded by large copper ore deposits. The surface between these deposits is honeycombed with workings, some superficial, but many are extensive.

It is possible to develop a copper ore body on this property through some form of subsurface exploration such as a large scale drilling program similar to one now in progress on the Kennecott Property immediately southwest of this property. It is believed that the ore would be encountered in the Pinal schist ranging from 500 feet to 2,000 feet below the surface dependent upon the fault block drilled into and would average 2% copper as did the Ray deposit during its early mining history.

VIII. RECOMMENDATIONS: This property has an excellent potential as a future copper producer, but has no developed ore reserves. Since Continental has requested a developed ore deposit, it cannot be recommended for further consideration.

Enclosures

1. Photostat of Portion of Ray Topo Sheet showing location of claims.
Scale 1" = 1 mile.
2. Property map - Scale 1" = 600'
3. Geologic map of claims - Scale 1" = 300'
4. Report on the Monitor Mining Claims by the owner Harry Hagen.

Copies

G. Heikes

C. H. Reynolds

S. Gunther

File

ms-101

SOUTHWEST COPPER COMPANY

Organization:

The company is chartered under the laws of Arizona for 5,000,000 shares of no par value non-assessable common stock. The company has no preferred or preference stock.

Properties:

The company properties comprise sixteen mining claims all of which are contiguous and located in the Mineral Creek Mining District, Pinal County, Arizona. The names of these claims are as follows: Cumberland, Merrimac, Richmond, Richmond Annex, Monitor, Tucson, Mountain Maid, Admiral Dewey, Stare, Black Eagle, Lincoln, Tip Top, Woodrow Wilson, Silver Canyon No. 1, Silver Canyon No. 2 and Silver Canyon No. 3. These claims are the usual size - 600 feet by 1500 feet each.

Accessibility:

The properties represent a group of mines known as the "Monitor Group," situated five miles northeast of Ray, thirteen miles southwest of Miami and eleven miles northwest of Christmas, all towns being stations of the Southern Pacific Railroad. To reach the property from Ray requires a three hour trail trip which could not be made practicable for extensive operations. The construction of about seven miles of truck road would connect the property with the new Globe highway to Miami. Engineers consider the most easily accessible railroad point is Christmas. From this station there has been built five miles of truck road up Mineral Creek toward the properties. An extension of this road to the properties is now under survey and construction. This road will give a grade of not to exceed 2% from the properties to the railroad station and will enable economical transportation of ore, supplies and equipment.

Titles:

All of the claims are patented and owned by the company by deed.

History:

The properties were located over forty years ago and have been held by the same owners ever since until purchased by Southwest Copper Company in 1929. The earliest report available was written in 1900 by a London engineer. A portion of this report is included elsewhere in this circular.

Development:

The property is thoroughly prospected by tunnels, shafts, drifts, winzes and discovery cuts made at various points over the sixteen claims to check the veins and values. About 2500 feet of underground work has been completed on the properties. There are eleven dumps upon which are ores of shipping grade carrying copper and silver. There are approximately 200 car

loads of shipping ore upon the dumps. The high values of the main veins and the width of the mineralized area indicate a steam shovel operation of large magnitude. The company is employing Mr. Lynwood Garrison of Philadelphia, noted mining engineer, to re-check the opinions of several engineers regarding the larger development and operation of the properties.

Engineer's Report:

The Monitor Group of copper mines situated in Mineral Creek Mining District, Pinal County, Arizona, consists of 16 full claims 600 by 1500 feet in size. These mines lie near the northerly end and on the eastern branch of Mineral Creek, at an elevation of about 3500 feet above sea level. Just across the narrow valley of Mineral Creek and to the East of the group rise the pine-clad Pinal Mountains to an altitude of ten thousand feet. The lower edge of the pine timber belt of the Pinals is distant from the Monitor Group of mines about six miles, but as a splendid wagon road, leading from Globe into the pine timber, passes within four miles of the Monitor Group it will be necessary to build only four miles of road to give access from the Monitor to the heavy pine timber. The construction of this road would not involve a large outlay as a natural ridge, termed locally a "hog back", leads down from the Globe timber road to the Mineral Creek valley, about one-half mile below the Monitor Group. This short piece of road would serve the double purpose of connecting the mines with the heavy timber and with the railroad station at Globe, distant from the Monitor Group about nineteen miles. About one-half mile below the Monitor Group a wagon road leads up a narrow valley to a connection with the Troy and Florence stage road, distant five miles. This would give the Monitor Group an outlet to Christmas on the Southern Pacific line, hence a company operating the Monitor Group would have two railroad stations to choose from in selecting a shipping point.

There is an abundance of pure spring water on the Monitor Mine for both milling and camp purposes, hence there is no question as to the water supply, and the question can be fully settled as to mine timbers by the construction of the four miles of road above mentioned.

The climate is marvelously healthful and delightful the year round, and the surrounding scenery is grandly picturesque.

The Monitor Group lies in the same mineral belt in which is situated many large mines. Five miles to the South are the Ray mines (Nevada Consolidated Copper Co.) and all the great productive copper mines of the Globe district are ten to twenty miles Northeast; in fact the Monitor group is in the heart of one of the greatest mineral belts of Arizona, containing a great diversity of mineral wealth, namely copper, gold, silver, lead, iron, zinc and many of the rarer metals. That this belt will be the source of great future wealth is beyond question. It needs only money and muscle intelligently expended and directed to open here some of the richest treasure vaults of the earth.

The general formation or "Country rock" of the Monitor Group is lime and porphyry, with occasional intrusions of trap rock, a favorable formation for copper. The inclination of the rock strata is to the South, while the pitch of the veins is uniformly to the North, and with a few slight variations, trend East and West. Hence the veins cut through the formation, with one exception. This is indicative of permanence. The exception noted is the main vein of the Monitor and Richmond claims, which lie in a contact between the lime and porphyry.

This is most trustworthy evidence of permanence in a vein. There are also lime spar dykes cutting across the formation parallel with the veins, and in some instance, these dykes form the hanging wall of the veins.

The Monitor Mine:

Is the most extensively developed property of the group. A shaft was sunk on the main or central vein of this claim to a depth of eighty feet, at which point the inflow of water became so strong that it could not be handled by a windlass and bucket and work was suspended. This shaft shows high grade ore all the way down as far as I could go, and the owner informed me that an average sample from below water level assayed 200 ozs. silver and 35% copper per ton. Judging by the ore in sight, I do not doubt the statement. The vein in this shaft gradually widened as depth was attained and at the lowest point reached by me it was fully six feet in width between the porphyry foot and the lime hanging wall. A tunnel was run in the vein to tap and drain this shaft, but unfortunately, through miscalculations, the tunnel was started at too high an elevation.

It was driven in a distance of 200 feet and tapped the shaft about fourteen feet above the bottom of the latter. However, the tunnel was not "dead work" as the greater portion of it was in the ore chute, and for this reason it was extended along the hanging wall sixty-two feet beyond the shaft, making the whole length of the tunnel 262 feet. The vein exposed in this tunnel is over 8 feet wide and carries copper sulphides which according to sample assays give a general average from wall to wall of seven per cent copper and sixty ounces of silver per ton. Besides the main or central lead there are five smaller veins on the Monitor, running parallel with the main lead, two on the south and three on the north side of the main lead. On the just south vein, and near the 80 foot shaft above described, a shaft has been sunk to a depth of 20 feet.

It shows a pay streak in porphyry, about 4 feet in width, carrying ore which averages by sample assay 75 ounces silver per ton and 25 per cent copper. On the next vein south and but a short distance from the 20 foot shaft above described a 30 foot shaft has been sunk. The pay streak in this shaft is about 3 feet wide and the ore the same grade and character as that of the 20 foot shaft above mentioned. There has been some drifting and "gouging" in the shaft by leasers during the absence of the owners. The first vein north of the main lead shows some high grade lead and copper ore on the surface but it has not been developed to any extent yet. The second lead north of the main lead has been prospected by a sixty foot tunnel, driven in the vein. This tunnel shows pay ore from the breast to the face, the pay streak being about three feet in width. This pay streak by sample assay gives a general average of 50 ounces silver per ton and 27 per cent copper. The third vein north of the central lead has been prospected only by a small open cut which shows a small streak of high grade copper ore carrying a high percent of iron. About 50 feet from the face of the 262 foot tunnel a drift has been run into the country rock and a winze sunk at the breast of this drift to a depth of ten feet to procure a pure water supply for camp purposes. The water overflows from the winze and runs out through a gutter cut along the bottom of the tunnel. A stream sufficient in volume to water a large number of cattle flows out through this gutter continuously.

✓
The Richmond Mine:

Is the West extension of the Monitor and its central vein is a continuation of the Monitor's central vein. Near the east end of this claim a shaft has been sunk, vertically to a depth of 110 feet, with a 30 foot cross cut at the bottom.

The timbers forming the collar of the shaft have decayed and some of them given away. They will not support a windlass, consequently I could not go down this shaft. I have been assured, however, by the men who sunk the shaft and made the crosscut, that the latter exposes an ore body 27 feet in width, assaying as high as 200 ounces silver and averaging 27 per cent copper and three hundred feet further west a shaft has been sunk to a depth of 40 feet on the vein and shows a pay streak about three feet in width and extending from the top to the bottom of the shaft, the ore being the same grade and character as that exposed in the other opening along the central vein. A tunnel was run a distance of 120 feet to connect with the bottom of this shaft and an upraise was made from the breast of this tunnel to a height of thirty feet. But this upraise must be extended ten feet or more higher in order to connect with the bottom of the shaft. This will give the shaft a depth of eighty feet. The pay streak in this upraise is 4 feet wide and shows the same grade and character of ore as in the shaft. A 40 foot crosscut was made near the face of the tunnel and the same shows vein matter about 30 feet in width carrying a fair grade of sulphide of copper ore which by assay gives a general average of 7 per cent. At this point the Dewey vein, which has a north and south course, comes into the tunnel and crosses the crosscut. It carries 3 feet of good ore. There are two more veins on the Richmond, one on each side and running parallel with the main or central vein. They have not been prospected to any great extent but where opened show the same high class ore found in the principal lead.

✓
The Dewey Mine:

Lies north of and almost at a right angle to the Monitor and Richmond mines, its vein having a northerly and southerly trend. The Dewey is comparatively a recent discovery and is exploited only by the discovery shaft which has a depth of about 30 feet. This shaft reveals an exceedingly rich pay streak about 20 inches wide, which yields an average of 40 per cent copper and 300 ounces silver per ton. The vein matter is about 3 feet in width.

✓
The Tucson Mine:

Lies between the Dewey and the Richmond and Monitor and parallel with the latter. It was but recently discovered and is open only by the discovery shaft which is 12 feet deep. It shows a 6 foot vein carrying high grade ore the same in character as that of the sister veins.

✓
The Mountain View:

Abuts the west end of the Tucson claim. Here the formation changes the vein, which is 6 feet wide, lies in a contact, between trap rock and sandstone. This claim has on it two shafts, one thirty and the other ten feet deep. Both are on the vein and show a good grade of lead and copper ore. No assays have been made of this property.

The Cumberland and Merrimac:

Mines lie to the southwest of the Monitor and Richmond and have a northwest and southeast course. They cover the same vein for a length of three thousand feet. The vein has a uniform width of about 4 feet except on the east end of the Merrimac, and carries the same grade and character of ore as that of the Monitor and Richmond veins. On the Cumberland there is only a 14 foot shaft and some open cuts. Near the easterly end of the Merrimac is a large "blow-out" upon which 4 shafts have been sunk to a depth of 12, 25, 30 and 40 feet respectively. All show the same high grade ores carried by the other veins of the group.

The Ores:

of the Richmond, Monitor, Dewey, Tucson, Cumberland and Merrimac are remarkably uniform in grade and character. They consist of copper sulphides and sulphurets, cuprite, "peacock copper," virgin silver, bromides, sulphide and chloride of silver. But the ores of the Mountain View show a predominance of lead.

The Gangues of the Veins:

are also uniform, being a siliceous material, except at a few points where lime spar has been pushed into the veins and at a few other points where porphyry has intruded and taken the place of the regular vein matter. The walls of the veins are all coated with a heavy talc selvage. There is a large amount of high grade ore in sight in the various workings.

A large amount of rich ore has been shipped from these properties at various times by leasers, but I was unable to get smelter returns from any of the shipments except one in which the owners were themselves interested. This was a shipment of seventeen and one-quarter tons shipped to the Silver City smelter. The shipment netted at the smelter a little over \$4,000.00.

Taken as a whole, I do not know of so promising a group of copper prospects in Arizona, taking into account the character and value of the ore so far exposed to view. There are large bodies of ore in other prospects, of course, but none so uniformly high grade in both silver and copper. I am firm in the conviction that these properties, while undergoing systematic and intelligent development, would yield enough high grade shipping ore in a short time to more than cover the purchase price and at the same time leave a large surplus of a high grade second class ore on the dumps.

Respectfully submitted,

THOMAS F. WEEDIN, Mining Engineer.

Corroborating Report:

The following assays are from samples taken in October, 1900, by C. A. Hebulein, Mining Engineer, 11-12 Clements Lane, Lombard Street, London, England, who made a thorough examination of the Monitor Group:

1. Monitor, lower workings, four feed of vein sampled -
Copper 16.1%; Silver 39.7 ounces.
2. The same, second grade ore on dumps -
Copper 7.2%; Silver 13.5 ounces.
3. Average sample across ledge in Dewey claim -
Copper 10%; Silver 52.5 ounces.
4. Solid ore from Dewey claim, blackish ore -
Copper 29.2%; Silver 923 ounces.
5. Sample of second grade ore on dump, upper Richmond working -
Copper 13%; Silver 54.1 ounces.
6. Average of 31 tons on Monitor workings near Richmond -
Copper 11.6%; Silver 23.2 ounces.
7. Sample of solid ore on Monitor near Richmond -
Copper 29.3%; Silver 60 ounces.

The following assays are from samples taken in 1920 from the shaft on the Admiral Dewey claim:

1. Copper 39.2%; Silver 502.1 ounces
2. Copper 33.5%; Silver 801.5 ounces.

The following assays are from samples taken in 1927 from the Richmond workings:

1. Copper 10.3%; Silver 23.8 ounces.
2. Copper 41.8%; Silver 110.7 ounces.

Operation:

The management plans the immediate completion of the truck road to Christmas, the enlargement of camp facilities, the development of larger water supply from springs on the properties, the installation of an assay office and the construction of roads to the principal workings. These preliminary steps completed, some two hundred car loads of shipping ore will be available for delivery to smelters at Hayden, Superior, Silver City or Douglas. Shipments from Christmas will no doubt be regularly consigned to Douglas or Hayden. It is anticipated that the final recommendations by Mr. Garrison will carry emphasis of heavy equipment and steam shovel operation for quantity production. These recommendations have already been made by lesser engineers but the company is awaiting final report of Mr. Garrison before including such plans in its operation program.

Personnel:

The officers and directors of the company are men of known ability and success in mining and business enterprises and bear excellent reputations. The complete list is set forth in a separate bulletin entitled "Personnel." Ask for it.

Value of Properties:

The properties have been variously estimated. To the value of the available ore at present should be given consideration of the huge quantities of ore in sight. The present development work would indicate that ore could be blocked out at from 45 to 60 cents per ton. It is the purpose of the company to develop additional known ore bodies during the period of equipment for large scale operations. A conservative value of the combined properties without further development or improvement is considered in excess of \$3,000,000.00 as against 250,000 shares to be presently outstanding.

Promotion Stock:

There is no Promotion Stock in the organization of this company. Every officer and director must buy and pay for in cash any reservations of stock.

Future Trend of Issue:

Copper issues have experienced a marked improvement in value in the last fifteen years. Some of the most attractive issues on the exchanges today are copper stocks. Shares of some of the now major companies could have been had a few years ago at less than one dollar per share. Check up their present exchange prices today. Stock of the Southwest Copper Company has all the features of large increase in value that were incident to other and similar companies. It is carefully estimated that the shares of the company will be selling at above \$10.00 per share by July, 1930.

Listing:

The company will make application to list its stock on a standard exchange when 15% of its stock has been issued and its stockholders number two hundred persons. Present price of shares on application or through your broker.

SOUTHWEST COPPER COMPANY

Phoenix, Arizona. Philadelphia, Penna.

THE MONITOR MINING CLAIMS

Mineral Creek Mining District

Pinal County, Arizona

The Ray mine of the Kennecott Copper Company is located on Mineral Creek in Pinal County Arizona. This mine has operated for the past 50 years and until the last few years it was thought that the ore body was only located on the West side of Mineral Creek. Mineral Creek being a fault in the earth surface was believed to have cut off the copper ore deposit. About three years ago Kennecott Copper Company decided to drill on the East side of Mineral Creek to see if possibly the Ray ore body did not also continue in that direction but at a different elevation. Exactly what they found we do not know except as a result of this work, Kennecott Copper Company is now spending over \$100,000,000.00 enlarging their mill at Hayden and building a new smelter, moving the town of Ray and building a new town about 6 miles from the town of Ray, moving their Ray plant, shops, crushing plant, railroad, state highway and moving the stream bed of Mineral Creek. Moving the Mineral Creek stream bed alone requires some 15,000,000 cu. yds of rock excavation according to some plans which I have seen. I understand from their engineers that they have now ore blocked out to run them for over 100 years.

All major ore veins in Arizona run North-east or South-west. Four miles North 45° East from the center of the Kennecott Copper Company's Ray mine is the center of the Monitor group of mining claims. The South end of the Monitor claims and the North end of the Kennecott property is only about $\frac{1}{4}$ mile apart. The Kennecott property being on the south slope of Government Mountain and the Monitor Mining Claims being on the North slope. From tests that I have had made the ores from the two properties are much the same.

For a distance of $1\frac{1}{4}$ miles on the Monitor Claims there is a break in the earth formations from which the earth layers slope down south-west to Mineral Creek at Ray and down north-east toward the Globe-Miami mining district. For the entire distance along this break there is showings of low-grade copper and silver ore. From two places along this break about 150 cars of ore has been shipped which was mined by the open pit method. This ore averaged 2% copper and about 4 ounces silver. There has also been shipped some high grade copper and silver ore. The ores now in sight are oxides and can be treated by the cheap leaching process now being used by the large copper mining companies. This property can be very cheaply mined by this process.

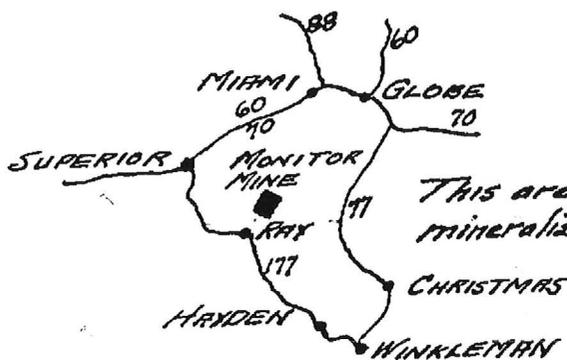
At the Castle Dome property of the Miami Copper Company at Miami, Arizona with a working force of only eight men in 1956 they produced an average of 490,000 lbs of copper per month at present prices worth about \$130,000.00 leaching ores which I understand runs $\frac{1}{4}$ of 1% copper.

From what can be seen on the surface; from the results of the drilling done recently by Kennecott Copper Company on the East side of Mineral Creek at Ray; and information received from one of the leading geologists in this district, it appears that the Monitor Mining Claims might be an extension of the Ray ore body or another similar deposit. The Monitor Group of Claims consists of 1,000 Acres of mining claims in the same mineral belt in which is situated many large copper mines. Four miles south-west is the Ray mine of the Kennecott Copper Co, 16 miles north-east is the Globe Miami Copper mining district location of the Old Dominion Copper Co, Inspiration Consolidated Copper Co., Miami, Copper Company, Copper Cities Copper Co., and Castle Dome Copper Co. Eight miles north-west

is the Magma Copper Company at Superior, Arizona, and 15 miles South east is the Christmas Copper Co., in which during the past year the Inspiration Copper Company has discovered and blocked out a large body of high grade copper ore.

The owners of this property do not have sufficient capitol to drill and develop this property and are interested in selling the property or an interest in the property for capitol to drill and develop the property. They are owners of Hagen Construction Company of Globe, Arizona, residents of that district for 40 years. They have done much of the construction work for the mining companies of that district.

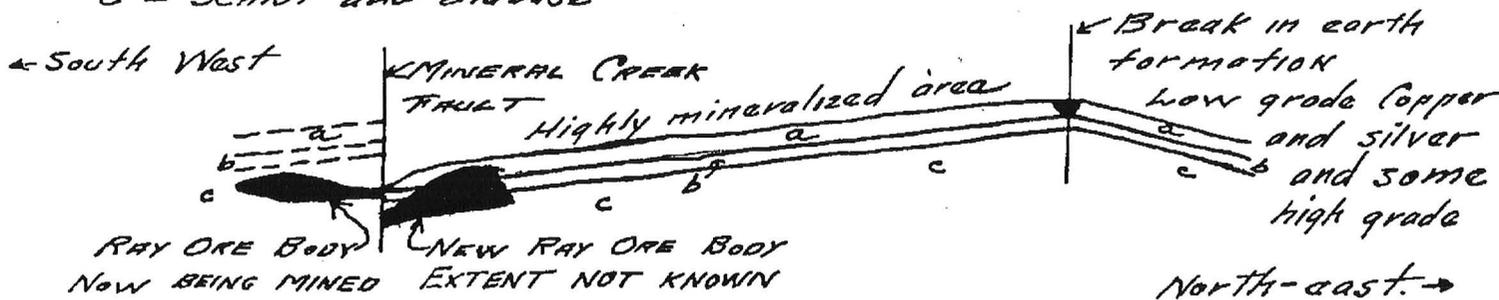
Any-one can spend up to 100,000.00 each year on development work on a mining property and charge it all off as expense. On ores sold a 15% depletion is allowed in figuring income tax.



LOCATION OF MONITOR MINE PINAL COUNTY, ARIZONA

- a = Dripping Springs Quartzsite
- b = Pioneer Shale
- c = Schist and diabase

MONITOR MINE



SKETCH SHOWING GEOLOGICAL FORMATION RAY AND MONITOR MINE

At the Mineral Creek Fault the area to the West was raised above the area to the East. The formations above the schist eroded away and the Ray ore body was found and worked in the schist and diabase formations. Drilling done in recent years has shown there is a similar ore body on the East side but lower down. We believe that the Monitor Mine is a similar ore body and possibly an extension of the Ray ore body.

Data on Monitor Group of Mines

Weight in Pounds, shipped Oct. 26, 1944

<u>Gross</u>	<u>Tare</u>	<u>Net</u>	<u>H₂O</u>	<u>Dry Weight</u>
48760	43860	4900	1.3	4836

Settlement Date: 10-21

TOTAL COPPER CONTENT: 1089 lbs.

Tons 2.4500

Dry Tons 2.4180

Silver	.70625
Less	.015
Net	.69125
Copper	.11650
Less	.026
Net	.09050

Assay per Ton
of 2,000 Lbs.

<u>Silver</u>	<u>Net Assay</u>	<u>Net Paid for</u>	<u>Rate</u>	<u>Amount per Ton</u>
79.01%	79.01	75.0595 lbs.	.69125	51.88
<u>Copper</u>				
22.51%	22.11	420.09 lbs.	.09050	38.02

Total payment of Metals \$89.90

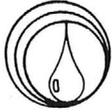
Analysis:

Insoluble	19.9
Silica	16.5
Alumina	2.0
Sulphur	4.1
Iron	9.4
Lime	8.3

Trucked to Smelter at Hayden Plant, American Smelting & Refining Company, October 26, 1944.

Two men worked about 20 days to produce the above. This was done to further check on the value of the Monitor Group of Mines.

W. P. Roseman



Arizona Testing Laboratories

817 West Madison Street □ Phoenix, Arizona 85007 □ 602/254-6181

For: Mr. Charles Merritt
4613 Euclid Avenue
Phoenix, ARIZONA 85044

Date: September 23, 1988

Lab No.: 1388

Received: 9/20/88

Marked: M-1

Submitted by: Same

MONITOR GROUP - PINAL

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

ELEMENT

APPROXIMATE PERCENT

Silicon	2.0
Aluminum	0.2
Magnesium	1.0
Lead	0.1
Manganese	0.02
Copper	2.0
Iron	Major Constituent
Calcium	1.0
Zinc	0.05
Silver	0.08

Respectfully submitted,

ARIZONA TESTING LABORATORIES

Claude E. McLean, Jr.

Miss. file - T'S RIB - Seth Pandy

THE MONITOR GROUP OF MINING CLAIMS

M

Are situated in the Mineral Creek Mining District, Pinal County, Arizona, and consists of 12 full claims: the Monitor, Richmond, Tucson, Admiral Dewey, Mountain Maid, Merrimac, Cumberland, Twentieth Century, Woodrow Wilson, Black Eagle, Star and Tip Top. (Since this report was written the number of claims has been increased to 13.)

These claims lie near the northern end and on the eastern branch of Mineral Creek at an elevation of about 3500 feet and about 5 miles north of Bay Consolidated Company's mines. There is an abundance of pure spring water on the Monitor claim.

FORMATION: The general formation or country rock of the group is lime and porphyry with occasional intrusions of igneous rock. The inclination of the rock strata is to the south, while the pitch of the veins is uniformly to the north. The main vein on the Monitor and Richmond claims lies in a contact between lime and porphyry. The ores of the Monitor, Richmond, Dewey, Tucson, Cumberland and Merrimac are remarkably uniform in grade and character. They consist of copper sulphides and sulphurets, cuprite, virgin silver, bromides sulphides and chloride of silver. The ores of the Mountain Maid and Twentieth Century show a predominance of lead.

WORKINGS ON THE MONITOR CLAIM: Shaft 80 feet deep shows high grade ore all the way down, the vein widening with depth. Vein about 6 feet assays 200 oz silver and 35% copper. Tunnel 262 feet, the vein exposed in this tunnel is over 6 feet wide and carries copper sulphides. A general sample from wall to wall assays 7% copper and 60 oz silver per ton.

There are also 5 smaller veins on the Monitor running parallel with the main vein, 2 on the south side and 3 on the north. On the first south vein and near the 80 foot shaft above described, a shaft 20 feet deep shows a pay streak in porphyry about 4 feet wide, samples of which assay 75 oz silver and 25% copper. On the next vein south a 30 foot shaft. The pay streak shown is about 3 feet wide with the same high grade ore.

The first vein north of the main vein shows some high grade lead and copper ore on the surface, but it has not been developed.

The second vein north of the main vein has been prospected by a 60 foot tunnel driven in the vein. This tunnel shows pay ore from face to breast, the pay streak being about 3 feet wide and sample assays give a general average of 50 oz silver and 27% copper.

About 50 feet from the face of the 262 foot tunnel's drift has been driven in the country rock and has a winze at the breast about 10 feet deep which taps a spring of pure water and which flow continuously.

WORKINGS ON THE RICHMOND: The Richmond claim is the west extension of the Monitor and its central vein is a continuation of the Monitor vein. Near the east end line of this claim a shaft 110 feet with a 30 ft crosscut at the bottom exposes an ore body 27 in in width, assaying 200 oz silver and 27% copper. 300 feet westva shaft 40 feet deep shows a pay streak about 3 feet in width from top to bottom. Along the central vein a tunnel was run to connect

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY (SHORT FORM)

May be Reproduced

May Be Inserted Into Mine File Or Added To "Rumor Page"

1. Information from: Dave Fitch, District Geologist w/Hecla
Address: 195 N. Edison, Suite 12, Reno, NV 89502

2. Phone: 786-3498
3. Mine: MONITOR
4. ADMMR Mine File: _____
5. County: Pinal
6. MILS Number 124A
7. Operational Status: Past Producer
8. Summary of information received, comments, etc.: _____

It was rumored that Ranchers Exploration had drilled at the Monitor in the 70's. Since Hecla now owns the assets of Ranchers, a letter was written to Hecla requesting information.

Mr. Fitch called to say that he worked for Ranchers for a number of years before Hecla and knew of no copper project at the Monitor Mine. He said that he had checked the files to make sure but they weren't very complete. Hecla is primarily interested in gold and silver now and they explore for it mostly in Nevada. Gold prospect submittals from Arizona are welcome.

Date: November 3, 1988

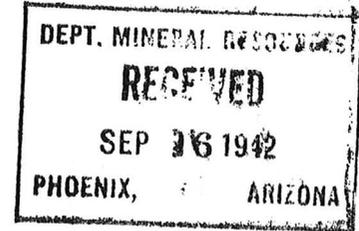
H. Mator
(signature) ADMMR

COPY

Phoenix, Arizona,
Feb. 6, 1930

THE MONITOR GROUP

Mr. E. M. Moores,
3610 North Central Ave.,
Phoenix, Arizona



Dear Mr. Moores:

I am now writing you the information requested on the subject of the Monitor Mine. As you are aware, my visit to the property was one of short duration, and it did not allow me an opportunity to give it the consideration it deserves: however, I saw enough to convince me that it is well worthy of a closer and more detailed examination, the result of which would probably determine your friends to take it over.

This being a personal letter to yourself and not claiming to be a mining report drawn up with the idea of use either in a prospectus or for promotion purposes generally, I have arranged the information differently from what is usually the custom, Instead of the last paragraph containing the conclusion, I begin with the conclusion that the trip I took impressed me favorably and that I believe there is a big mine there.

The location is three and a half miles on a northerly direction from the town of Ray, in the Mineral Creek Mining District of Pinal County, State of Arizona.

There are 17 claims in the group surveyed and mapped, and, as they are the senior locations of the district, each claim is of full size and has not been cut down to conform with the lines of other locations.

All the ground is valuable for mineral, evidence of which are seen in the prominent outcrops of the ore bodies, and none has been acquired for the purpose of making a display on paper.

ACCESSIBILITY

For a mile the trail follows a fairly good road while for the last two and a half miles the trail is just a mountain trail, like the usual run of them. In the three and a half miles an increase in elevation of two thousand feet is obtained: Ray being 2,000 feet above sea level, while the Monitor mines are at an average height of 4,000 feet above sea level. These last two miles are over a country no worse than that over which the road runs to the Red Rover Mine you are working: say from Walnut Spring to Camp. It would probably cost \$2,500 per mile to build it.

TOPAGRAPHY AND GEOLOGY

The appearance of the region in which the Monitor Mines are located is that of a hilly elevation, less abrupt and rugged than the country on all sides of it. Generally speaking, the approach to each claim is easy and there are no natural drawbacks to be overcome.

The course of the mineral bearing rock is traced by

prominent limestone ridges that mark the contact between the sedimentary rock and the underlying diabase and other igneous intrusives. In places there are ore bodies of high value, contiguous to andesite tuff and breccias that have been thrust through the earlier rocks and which have been responsible for the metallic contents of the intruded rocks. The mineralization of the area is not, however, depending on one series of intrusives but to a number of them and the distribution of the pay ore includes high grade deposits of smelting ore in the limestone and disseminated bodies in the porphyry.

It was the high grade smelting ore in the limestone, mined by the early owners, from the date of their location of the property in the eighties that enabled most of the development work to be undertaken. These owners, Haley and Suffren, sorted the ore and took it by wagon to Tucson in small quantities, receiving pay for it in sums which, I am informed, often exceeded \$1,000, per ton. The values being mainly in silver were the excess receipts over that obtained for 15% copper.

The money thus obtained enabled them to develop other mining properties which they sold for considerable sums of money. The Monitor Group was held back meanwhile and never offered for sale. At their deaths, a few years ago, they left a sum of money in excess of \$300,000.00, part of which with the Monitor group came, by inheritance, into the hands of the present owners.

It is perhaps worthy of note that Haley and Suffren,

old time miners in the district, with a more successful history on it than any others, regarded the Monitor group as the best property there. This opinion is, I know, shared by mining men generally.

ORE VALUES

From what I could determine by my preliminary examination, the ore values vary from 2% copper and 8 oz. silver, over an area eighty feet wide in the shale and porphyry, to figures far exceeding 20% copper and 800 oz. silver which was obtained in a number of samples in the limestone from which Haley and Suffren secured the ore they shipped to smelters.

Referring to the sample assaying 2% copper and 8 oz. of silver, I may state that the 80 feet was only a part of an ore body 200 feet in width that runs through the four claims, the Richmond, Monitor, Cumberland, and Merrimac.

This sample for 30 feet was in the shale and was assayed by the Arizona Assay Office, in Phoenix: It ran 1.99% copper and 8.5 oz. silver. Fifty feet next to it on the Porphyry, I assayed with the following result; 8.7 oz. in silver and 2.04% copper. The sample was carefully taken and I do not expect that a check on it will show any different result.

A width of 200 feet would constitute a steam shovel proposition. But little if any of the copper assay resulted from carbon^{ic} stain: calcocite being the type of copper represented in the sample. In part there was no overburden and then in

places there rested the Tornado and Martin limestones, carboniferous and Devonian rocks that have been elevated to their present horizon by the igneous batholith upon which they now rest. The strike of this disseminated ore body is east and west with a dip to the north, and it would appear that the latter is approximately 37 degrees.

It is unnecessary to give any assay list of the numerous samples taken on the limestone. They are interesting, however, and often spectacular, not infrequently carrying comparatively high grade gold values. The main feature of the proposition as a whole is the persistence of the ore bodies and their high value. As a copper, silver, and gold mine the Monitor deserves consideration and a very thorough examination.

Very truly yours,

A. C. Simkins

Owner: ✓
Dan F. Roseman
P. O. Box 134
Ray, Arizona

Box 134 Ray Arizona

Sept 14th 1942

Mr Earl F. Hastings
Phoenix

Dear Mr Hastings

Replying to your favor of the 2nd
in regard to the monitor group of 17 mining
claims located about 4 miles north of Ray
there is a good road to the property by way
of dipping Springs wash to Carl Lynch's cattle
ranch

None of the claims are patented, but eleven
are surveyed

getting on in years and unable to do much
work any more

I can only consider am out right ^{sole} say, but
will make the terms as easy as possible
I am enclosing a report which gives a very
good description of the property, and the writer
of which was on his own and had no body
to show him over the property

Yours Truly Sam F. Roseman

by T. M.

Interview with
June 22/54

R. T. Manning, Director Dept. Mining Re.
Mineral Building
Phoenix, Ariz.

RECEIVED
JUN 25 1954
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

Dear Mr. Manning: In reply to your letter of May 26, 1954, asking for further information on the status of the Monitor Mining Claims, before advising me on a person who might act as a custodian for said mining claims, I am pleased to give you the following information; The Monitor Mining Claims consists of 17 unpatented claims located in the Mineral Creek Mining District, Pinal County near Ray the location of the Kennepett Mining Co. I am attaching Exhibit "A" which gives the names & location of the claims, & other data.

There are 3 first line heirs all over 85 y.o. have been Administrator of the Dan F. Rosenthan

& state, I tried to keep the mines leased
and tried to sell them. I also saw to it
that the "work taxes" were paid. This was
not too difficult. I got a blank from
the County Clerk, and had the leasee
fill in the blank showing that work
to the extent of \$100 per claim (\$1700) had
been done that year. If no work had
been done, I got an extension. (Usually
the lease will do ~~\$1000~~ \$1000 to \$100,000
worth of work if he keeps on the job.
The big job is to try & sell the claims
act as a manager or overseer. He is
the man to deal with & to distribute
the money to the heirs, if any comes
in. Now, at 85 years of age you can
understand why I should turn
these responsibilities over to some
one younger, I feel that I should do
this right soon. If I don't, & I pass
on, the whole thing is lost. The
second line heirs, nephews & nieces are

not in a position to, & I don't care to,
bother with it. Last year about
\$250 came in through royalties. At
present the royalties are split 3 ways.
Tom MacKenzie was beneath $\frac{1}{3}$ of the
Monitor Group, & Dan F. Roseman's Kin
Fulk, - Heirs $\frac{2}{3}$. Now Tom MacKenzie $\frac{1}{3}$ of
the royalties, W. J. Lister, Tom MacKenzie
nephew who acts as agent $\frac{1}{3}$, and
Dan, F. Roseman estate $\frac{1}{3}$. The Estate
really get $\frac{2}{3}$ but since W. J. Lister, a
real estate man discovered the present
lease, & I am giving him $\frac{1}{3}$ of the present
 $\frac{2}{3}$. Under New Management of course
this would be different.

I think that under the circumstances
the man who takes over should re-
ceive about 15% of all money that comes
into the Dan. F. Roseman's Estate,
& understand that 10% is the usual
charge, but the Monitor group of mines

are not rich in ore & the amount of
money coming in will not be large.
If they are sold the same is true,
the sale will not bring in the "fortune"
we once thought it would.

You may know of some man
who would ~~like~~ like to take
charge of these mines, if so have
him write me. Thank you very much.

G. P. Rossmann

Whitewater Wis

Mr. Manning

Office, Mineral Resources Board

Fairground Office Building
Phoenix Arizona



Dear Mr. Manning:- I am still administrator of the Monitor Mining Claims in the Mineral Creek Mining District Pinal County (near Ray) Arizona. At the present time, Gordon French + Sons Co 316 West Montebello Ave. has them leased. Attorney D.V. Mulhern has been handling the legal affairs appertaining to the same for me. Since Mr. Mulhern's passing, I have been directing the affairs of the mines myself. I am casting about for a custodian for the mines, some one to keep them leased & sell them if possible, and act as general manager. Some one who is willing to act as an agent on a commission basis.

What Commission should we
pay for such services; 1st. for leasing
them, 2nd. how much in case of sale?
Do you know of any one who would take
them over on these basis? Would it
be ~~in~~ legally correct for someone
in your office to act as custodian
of those mines? I am 85 years of
age, & should be turning this
responsibility over to someone else
very soon.

Your advice will be greatly appreciated.
Very truly yours
W.P. Roseman

May 26, 1954

Mr. W. P. Roseman
288 N. Prairie
Whitewater, Wisconsin

Dear Mr. Roseman:

This will acknowledge receipt of your letter of recent date in which you advise that you are seeking the services of someone to act as a custodian for the Monitor Mining Claims.

We will attempt to secure someone to do this for you, but are wondering just who this custodian would have to deal with other than yourself.

In regard to commission rates, I am not too familiar with what would be fair in your case, but I would think 10% would be about right.

Very truly yours,

R.I.C. Manning,
Director.

RICH:lp

C
O
P
Y

January 15, 1953

Mr. George R. Fansett
Mining Engineer
Arizona Bureau of Mines
University Station
Tucson, Arizona

Dear Mr. Fansett:

The Monitor Group consists of 16 claims located in Sections 31 and 32, T. 2 S., R. 14 E., about 35 miles southwest of Globe. They are owned jointly by the Dan F. Roseman Estate and a Mr. McKenzie. Mr. D. V. Mulhern, Arizona Title Building, Phoenix, represents the Roseman estate. Although for the past several years this property has been leased to parties who have done some exploration work, at the present time, they are open for a deal as the lessees failed to make sufficient payments to renew their lease in the latter part of 1952.

In our files we have reports by Thomas F. Weedon, The Southwest Copper Co., and G. A. Hebulein, together with copies of shipments and some assays. A few years back Mr. Cocrahan made several shipments of copper ore which ran in the neighborhood of 2% copper and 5 ounces of silver. In 1949 Mr. J. D. Tynes, Box 133, Winkelman, made several shipments to the International Smelter at Miami, which averaged 2 $\frac{1}{2}$ % copper and from 8 to 12 ounces of silver.

I regret that we do not have copies of reports and maps in our files to send to you, but you are certainly welcome to examine this file at your convenience.

Very truly yours,

R.I.C. Manning,
Director

RICM:lp

C
O
P
Y

DAYTON V. MULHERN
ATTORNEY AT LAW
SUITE 302 ARIZONA TITLE BUILDING
128 NORTH FIRST AVENUE
PHOENIX, ARIZONA

August 18, 1948

Mr. Roger I. C. Manning
Field Engineer
Department of Mineral Resources
Mineral Building, Fair Grounds
Phoenix, Arizona

Dear Mr. Manning:

This will acknowledge receipt of your letter of August 12, 1948 concerning the Monitor Group of claims of which you have a map showing a survey in December, 1926, having the appearance of a preliminary patent survey.

I have checked the records of both the Public Survey office here and the Phoenix Land Office. The Survey Office is unable to find any record of new commission having issued for patent survey on this group, nor do any of the other records show the survey. The records of the Phoenix Land Office do not show any mineral application's ever having been filed and, of course, no patent on the group.

I have called the Arizona Blue Print Company, formerly the Scott Engineering Company, and, while they are examining their records further they have so far been unable to give me any information.

This satisfies me that, while they may have contemplated patent applications, they never proceeded as far as an official survey.

Thanking you for calling my attention to this matter, I am

Very truly yours,



DVM:FA

August 12, 1948

✓
Mr. D. V. Mulhern
Arizona Title Building
128 North 1st Avenue
Phoenix, Arizona

Dear Mr. Mulhern:

Pursuant to our telephone conversation of recent date, we have in our files a map, dated December 1926, of 11 claims called the Monitor Group by E. C. Kinderman, U. S. Mineral Surveyor. Since this map gives in detail the bearings, measurements and development work, it appears that it was prepared for patent although there is no number on it.

We would appreciate it very much if you would inform us as to whether or not this property was patented.

Yours very truly,

Roger I. C. Manning
Field Engineer

RICM:mh

Monitor

Tucson Arizona
May 15 1944

DEPT. MINERAL RESOURCES
RECEIVED
MAY 16 1944
PHOENIX, ARIZ.

Re: Monitor Mine

✓

Mr. W P Roseman
302 Home Builders Bldg.
Phoenix, Arizona

Dear Mr. Roseman:

Your letter of May 9 was received just after the letter from Mr Coupal and since he said he was sending me some data and reports I decided to wait for them. I have read over these reports and contacted my associate Mr. Crawford of Superior and arranged to meet him in Ray Saturday night May 20.

We plan to spend two days Sunday and Monday. According to Mr Coupal's letter you have arranged with Mr T E Kelse to have some one go with us. We will therefore try to locate him upon arrival about 8.30 PM.

Yours truly

R. W. Nicholas
R. W. Nicholas

311 N. Fremont Ave

May 9, 1944

Mr. R. W. Nicholas *Falmouth*
311 North ~~15th~~ Avenue
Tucson, Arizona

Dear Mr. Nicholas:

I have just had word from Mr. W. P. Roseman, owner of the Monitor Group, that if anyone wishes to see the property he can make an appointment with T. E. Kelso at Ray, Arizona, and Mr. Kelso will arrange to send someone to the mine with him so that he can look it over carefully.

Yours very truly,

J. S. Coupal, Director

JSC:LP

May 5, 1944

Mr. R. W. Nicholas
311 North 11th Avenue
Tucson, Arizona

Dear Mr. Nicholas:

I am having a copy made of a report on the Monitor Group, located in the Mineral Creek Mining District, Pima County, which property has produced some mighty good high grade ore and is open for lease.

It is copper and gold and it may be possible to apply for a loan on this property but I believe the records are quite insufficient and it would probably be difficult to establish sufficient evidence to justify a loan.

If you have time, we do believe it would be worth your while to try and examine this property and then make up your mind whether or not to take a lease and then make an effort on a loan.

I will forward a copy of the report within a few days.

Very truly yours,

J. S. Coupal, Director

JSC:JES

c.c. W. F. Roseman

DAYTON V. MULHERN
ATTORNEY AT LAW
SUITE 302 HOME BUILDERS BUILDING
128 NORTH FIRST AVENUE
PHOENIX, ARIZONA

5-8-44

TELEPHONE
3-7605

Parties inquiring about
the Monitor Group of mines. [Dan F
Roseman's 17 claims $\frac{1}{2}$ mile from Ray Arizona]
write to J. E. Kelso Ray Arizona for
appointment. Mr. Kelso will arrange
for transportation + guide.

Roseman

November 18, 1943

Mr. S. T. Roseman

Whitewater, Wisconsin

Dear Sir:

Mr. J. S. Coupal has referred to me your letter of November 11th, together with a copy of his letter of November 15th, concerning certain mining claims owned by your Brother, now deceased, in the vicinity of Ray, Arizona.

Referring to the questions asked Mr. Coupal by you, I am very pleased to advise you that one of our recent legislatures increased the minimum gross estate on which inheritance tax is payable, to \$100,000.00.

In view of Mr. Coupal's statement that the group of claims probably could not be put into production at the present time, I would assume that they would be appraised at a great deal smaller figure than this minimum and that therefore there would be no inheritance tax payable. Appraisements of such estates are made appointed by the Probate Court, and they are usually very conservative as to appraised values. The federal inheritance tax now has a lower limit than does our state tax, but even so it is assumed that the valuation will fall below the federal limit. If you could give me any approximate idea of the value that your Brother placed upon these claims, not as a speculative proposition, but as a fair present value, I could give you more definite information.

Inasmuch as your Brother only died last April, it is assumed that he did file a notice of intention to hold these claims without the performance of annual assessment work under the exemption resolution passed by Congress some months ago. This being the case, the claims will remain valid as long as Congress continues to exempt them from annual labor and thereafter as long ~~thru~~ they are kept valid under the mining laws. Of course, if the claims are actually abandoned they revert to the status of open government land and are subject to location by others, under the state laws if originally state land, otherwise federal.

If you would give me the names of the claims together with the book and page of their recording and any other information you have, including the address of Mr. Tom McKenzie, I would be very glad to make an estimate of the cost of probating the estate, etc., and to handle the matter without the necessity of your coming to Arizona.

Very truly yours,

Monitor Group

November 15, 1943

✓
Mr. D. V. Mulhern
Home Builders Building
Phoenix, Arizona

Dear Mr. Mulhern:

I am enclosing a letter from Mr. W. P. Roseman, Whitewater, Wisconsin, together with a copy of my reply to him.

I know of the property mentioned and I doubt very much whether or not it will be possible to put it into production at the present time. It may have some value as it has produced a lot of good high grade ore, but present restrictions on copper make it difficult to say just what should be done.

Very truly yours,

J. S. Coupal, Director

JSC:LF
Enc.

Monitor Group

November 15, 1943

Mr. W. P. Roseman
Whitewater, Wisconsin

Dear Mr. Roseman:

I am very sorry to hear of the death of your brother, Dan Roseman, and note your request. I can recommend an attorney, Mr. D. V. Mulhern, Home Builders Building, Phoenix, whom I know you can trust to take charge of this matter for you and who, also, is very well posted on the legal end of mining.

I am forwarding your letter to Mr. Mulhern and he will undoubtedly answer the questions regarding inheritance tax and whether or not the claims revert back to the Federal Government.

I shall be glad to be of any assistance to you.

Yours very truly,

J. S. Coupal, Director

JSC:LP

CC: Mr. D. V. Mulhern

MM-16 MONITOR GROUP - Dan F. Roseman, Box 134, Ray, Arizona.

Copy of Mine Owners Report covering property listed with the
Department of Mineral Resources as been furnished to -

Chas. E. Lees, 240 N. Cliffwood Ave., Los Angeles, Calif.

DEPARTMENT OF MINERAL RESOURCES

J. S. Goupal, Director

December 22, 1942

Mr. Dan Rosemont
Ray, Arizona

Dear Mr. Rosemont:

I want to thank you for your assistance to Mr. Henry Bollweg in making his preliminary examination on the Southwest Copper property.

The parties who were interested on the typewritten report find that at the present time they are unable to go ahead with their plans, so that until we find someone else who may be interested, I feel as though there is nothing further to be done at this time.

I understand you were at some expense providing a man and horses. If so, please advise me so that you may be reimbursed for any out of pocket expenses.

With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal
Director

JSC:kk

December 12, 1942

H

Mr. Henry Bollweg, Jr.
Box 112
Ray, Arizona

Dear Hank:

Many thanks for your report on the Southwest Copper. I am enclosing my check for \$32 to cover your out of pocket expenses for travel and for assays.

The report was not encouraging enough to warrant our going in to make a further examination; so for the time being, we will drop this.

I appreciate your doing this work without personal charge for your time, and I hope we may some day soon find a property on which we can all recoup both for time and expenses.

With best wishes and kindest regards, I am

Very truly yours,

J. S. Coupal, Director

JSC:kk
Encl--Check \$32

cc - Mr. Neil C. Clark
Heard Building
Phoenix, Arizona

P. S. Would you consider taking on the job of field engineer for the Department of Mineral Resources for the eastern district? This includes the area from Payson south to Florence, Winkelman, Klondyke, Duncan, and points north. The pay may not be attractive but the work is very interesting. The job pays \$225 a month with sustenance when away from headquarters, which in this particular case would be Globe, and an allowance of five cents per mile for travel. Earl says you would be a fine man for the job and I quite agree. Please let me hear from you.

H

November 11, 1942

Mr. Dan Roseman
Box 134
Ray, Arizona

Dear Mr. Roseman:

I have discussed the Southwest Copper Company's properties with the interested parties here in Phoenix and expect to get into action shortly.

I would like to examine the property with them, but I am called to Salt Lake City leaving here on Friday, November 13, 1942, and it will be a week or ten days before I could get to the property.

In the meantime, I am trying to arrange with Mr. Henry Bollweg, Jr., who is a capable mining engineer, to make a quick reconnaissance of the property and let us know just what he thinks of the ore showings and how much time it will take to draw up the necessary information to present this for Federal financial aid. I am asking Mr. Bollweg to call on you and make arrangements so that he might go to the property with your man, Oranto Douglas. Any expenses connected with this trip will be taken of.

On my return and as soon as we hear from Mr. Bollweg, we will make arrangements to come down and look over the property, and then get busy as to details.

With best wishes and kindest regards,

Very truly yours,

J. S. Coupal
Director

JSC:kk

cc Mr. Henry Bollweg, Jr.
Ray, Arizona

C

October 20, 1942

Y
Dan F. Roseman
Box 134
Ray, Arizona

Dear Mr. Roseman:

Mr. Coupal and I plan on being in Ray, Arizona Sunday, October 25th, at which time we will attempt to contact you and visit your Southwest Copper Property.

Very truly yours,

Earl F. Hastings
Assistant Director
& Projects Engineer.

EFH:ba

October 9, 1942

Dan F. Roseman
Box 134
Ray, Arizona

Dear Mr. Roseman:

This will acknowledge and thank you for your letter of October 7th addressed to Earl F. Hastings, Ass't. Director and Projects Engineer, in which you outline the terms for the sale of your Monitor group. ✓

I will forward your proposal to the interested parties, however do not believe that it will be favorably received. I say this because we know the general attitude of private capital relative to mining, and are familiar with the terms of a great many recent mining transactions involving both developed and undeveloped property. Capital takes the reasonable attitude that they cannot accept a fixed monthly payment responsibility, other than possibly a rental or token payment, for the reason that priority, labor, and other conditions are such that any definite future profit cannot be anticipated. In other words, there is far more to it now than just placing an order for equipment and material and getting started to work.

The fairest possible deal for both buyer and seller is a straight royalty deal. If your mine can produce then you get paid in direct ratio to its production while if, for a period, it is unable to produce for reasons beyond the control of the buyers then the buyer is not subject to loss of his interest after having organized his operation.

In these days it takes time to locate equipment and men to start production. My suggestion to you would be to grant an option to January 1st, 1943 to allow the buyers time to examine the property, check on analysis of the ore as regards smelter payments and to locate and obtain priorities on equipment and material for operation. If lucky this might be accomplished before the time allotted, but from experience we know these things do take time. If the option is exercised then you would receive 10% of net returns on all ore shipped and 5% on all ore milled to be applied on the purchase price.

Dan F. Roseman

If you did demand a token payment in the form of a minimum monthly royalty following the option period, as evidence of sincerity, this payment should not exceed \$100.00 per month. This is a minimum, and your total monthly income would depend only on the grade and amount your mine can produce under conditions as they exist today.

Such a program is fair to both parties in that both profit when production is possible and both suffer when it is not.

We, in this Department, have a more than usual interest in increasing copper production for the war effort and have been instrumental in the negotiation of numerous sales on copper properties. Being in possession of more facts than most individual owners we are conversant with current operating problems and are able to advance unbiased opinions. We know the need for copper and the limitations of an operator. We feel your property has production possibilities and trust you will offer some proposal making it possible for an operator to be established on your property that it may produce in spite of these limitations.

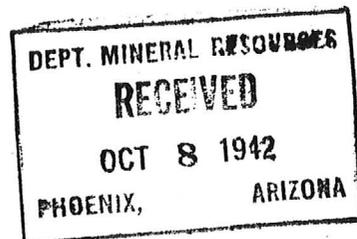
Please be assured of our earnest endeavor to place your property in the producing list.

Very truly yours

J. S. Coupal, Director

JSC:BA

Southwest Copper



Bot 134 Ray Arizona
Oct 7th 1942

Mr Earl F. Hastings
Phoenix

Monitor group of mining Claims
this is an exceptional property and offered
at a very reasonable price for out right Sale
full price \$65,000 Sixtyfive thousand dollars
terms \$500⁰⁰ down and \$500⁰⁰ per month
no need to spend months looking for pay ore
Can be a producer the day Machinery is
placed on the ground
you or any one will have no difficulty
in locating me this is a Small community
and having been a permant resident for near 40 years
I am well known, I live near the ballpark
any store, garage or City Hall can direct you
this in reply to your favor of the 5th inst

yours Truly
Dan F. Roseman

October 5, 1942

Mr. Dan F. Roseman
Box 134
Ray, Arizona

Subject: Monitor Group

Dear Mr. Roseman:

There is a group who have declared some interest in your Monitor group of mines providing that your sale price and terms are reasonable. They have asked me to get a rough outline as to these terms so that they may decide whether or not the conditions would warrant a trip to the property.

As you know, most current mine sales are on a royalty proposition particularly on mines which are not fully developed, even though the prices of metals are somewhat higher now the net operating profit for a mining operation would be considerably lowered. Hence private capital can enter into mining enterprises only under the very best purchase and royalty terms.

We suggest that you outline the most lenient proposition that you feel free to offer. We will transmit this to the interested parties and advise you if and when they will come to Ray. Also please give us an address other than your post office box so that they may locate you on arrival.

We trust that our efforts will result in a satisfactory agreement all around.

Very truly yours

Earl F. Hastings
Assistant Director
And Projects Engineer

EFH:ba

September 2, 1942

Mr. Dan F. Roseman
Box 134
Ray, Arizona

We have your mine owner report forms on the Monitor, Richman, Dewey, Tucson, Mountain View, Cumberland and Merimac mines located in the Mineral Creek Mining District, Pinal County. We also note the report under the heading of Southwest Copper Company covering these mines made by Thomas F. Weedon.

The information contained is quite interesting in many respects. There are a few details, however, on which you might enlighten us that our files may be more complete. Mr. Weedon, for instance, states in connection with the Monitor Mine that he noted ore in the main shaft as far down as he could go, but does not state in feet how far that was. His report is not dated and we are wondering how much of the property has become inaccessible since the time of his report. We think that a description of the property by you would materially add to the data on hand.

As you know, there has been a fund allotted for the purpose of constructing and repairing mine access roads. Consequently the location of the property and the present inaccessible condition would not be so detrimental as it would have been a short time ago when private funds would be required for road construction.

We would like to know what you have in mind on the property -- whether an outright sale, a lease, or whether you have considered an R.F.C. loan for your own account. In the event that you are considering an outright sale of it we will forward copies of the information to several parties who might be interested.

Very truly yours,

Earl F. Hastings, Assistant Director
and Projects Engineer

EEH:LP

Box 134 Ray Arizona
June 1st 1940

Mr. J. S. Couper
Phoenix Arizona

Dear Mr. Couper

I am enclosing herewith as
requested a report on the monitory
group of mining claims (17)
for your files

Respectfully yours,
Sam G. Roseman

Sheriff

Member

Mr. Couper

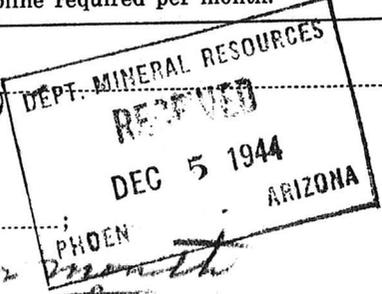
DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date Dec. 2, 1944
 Name of Mine Monitory
 Owner or Operator Rossmore Daniel
 Address Lessee W. Crawford
Box 52 Superior
 Mine Location Dripping Spgs Pinal Co. 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 4 per month
 Other (specify) occasional extra trip

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months Small
 Approx. present rate per 3 months 100 Tons
 Anticipated rate next 3 months same
 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	<u>40</u>	<u>600</u>	<u>40</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqpt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper

REMARKS:

Property being prepared for ore production

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. Macfarlane

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date August 14, 1942

Mine Monitor Mine

District Mineral Creek Mining District, Pinal Co.,
Ray, Arizona

Location 5 miles Northeast of Ray, Arizona

Former name

Owner Dan F. Roseman

Address Dan F. Roseman
P.O. Box 134, Ray, Arizona

Operator Not operating

Address

President

Gen. Mgr. None at present

Mine Supt.

Mill Supt. " " "

Principal Metals Copper, silver, gold and lead.

Men Employed " " "

Production Rate

Mill: Type & Cap. None at present

Power: Amt. & Type

Operations: Present None

Operations Planned

Number Claims, Title, etc. 1 Patented claim "MONITOR"

For answers to next 7 topics, see ENGINEERS REPORT. Thomas F. Weedon in REPORT ON
SOUTHWEST COPPER COMPANY

Description: Topog. & Geog.

Mine Workings: Amt. & Condition One 30' shaft; one 10' shaft. These are in a 6' vein.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Water Supply **Plenty of underground and spring water for mill and domestic.**

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

**Property is for sale. Write or see Dan F. Roseman,
Ray, Arizona, for price and terms.**

Signed..... **DAN F. ROSEMAN**

Use additional sheets if necessary.

DEPARTMENT OF MINERAL & SOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 22nd 1939

Mine *Monitor group*
District *Mineral Creek Pinal Co*

Location *See sketch attached*

Former name
Owner *Sam F. Roseman*

Address *Box 134 Ray Arizona*

Operator
President

Address
Gen. Mgr.

Mine Supt.
Principal Metals *Gold, Silver, Copper, Lead*

Mill Supt.
Men Employed

Production Rate
Power: Amt. & Type *no power*

Mill: Type & Cap.

Operations: Present

Operations Planned

Number Claims, Title, etc. *17 about 340 acres, clear title*

Description: Topog. & Geog. *Over harden County rock + pinal schist
the ore lies between lime and porphyry which is the
general formation*

Mine Workings: Amt. & Condition *Considerable work has been done
there are eleven dumps with ore of shipping grade
Carrying silver and copper*

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route *the claims can be reached by auto from
the globe Winkelman State highway and by trail
from Ray*
Water Supply *there is abundance of pure spring water*

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

this property is for sale price \$50,000 or terms

Signed San F. Roseman

Original
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date **April 7, 1944**

Mine **MONITOR GROUP**

District **Mineral Creek Mining District, Pinal Co.**

Location **Ray, Arizona**

Former name **The same**

Owner **Dan F. Roseman (Deceased)**

Address **W. P. Roseman**

Operator **Dan F. Roseman**

Address **D. V. Mulhern, Attorney
Home Bldg., Bldg., Phoenix**

President **Dan F. Roseman**

Gen. Mgr. **Dan F. Roseman**

Mine Supt. **Dan F. Roseman**

Mill Supt. **Dan F. Roseman**

Principal Metals **copper and silver**

Men Employed **As high as 10**

Production Rate **Not determined**

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present **Not in operation at present**

Operations Planned **None. Would like to lease.**

Number Claims, Title, etc. **See attached list Exhibit "A"**

Description: Topog. & Geog. **See attached sheet, Exhibit "B"
Paragraph 3, 4, 5, 6, 7, 8, 9.**

Mine Workings: Amt. & Condition **See Exhibit "B" paragraph 9 and 10
In addition Dan F. Roseman mined it to the extent of
about \$2,000 to \$3,000 per year.**

Geology & Mineralization

See Exhibit "B" attached paragraph 7

Ore: Positive & Probable, Ore Dumps, Tailings

See exhibit "B" paragraph 17

Dimensions and value of ore body: See Exhibit "B" paragraph 13, 14, 15, 17

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

See Exhibit "B" paragraph 6

Water Supply

Well

Brief History

See Exhibit "B"

Special Problems, Reports Filed

See attached exhibits

Remarks

If property for sale: Price, terms and address to negotiate.

is for lease, with the privilege of buying

This property for the present

Signed.....

William P. Roseman

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 22, 1939

3 1/2 miles from Ray

Location See sketch attached

Mine MONITOR GROUP ✓

District Mineral Creek, Pinal Co.

Former name

Owner Dan F. Roseman ✓

Address Box 134, Ray, Arizona.

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill; Type & Cap.

Operator

President

Mine Supt. ✓

Principal Metals Gold, silver, copper, lead ✓

Production Rate

Power: Amt. & Type No power.

Operations: Present

Operations Planned

Number Claims, Title, etc. 17 about 340 acres - clear title.

Description: Topog. & Geog. Over burden country rock & pinal schist. The ore lies between lime and porphyry which is the general formation.

Mine Workings: Amt. & Condition Considerable work has been done. There are eleven dumps with ore of shipping grade carrying silver and copper.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route The claims can be reached by auto from the Globe-Winkelman State Highway and by trail from Ray.

Water Supply There is an abundance of pure spring water.

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. This property for sale.
Price: \$50,000.00; terms.

SKETCH ATTACHED HERETO.

Signed..... DAN F. ROSEMAN

Use additional sheets if necessary.

Silver Nickel

Mining Co.

5822 W. Michelle Drive
Glendale, AZ 85308-1244

602-439-3143

Owns 82.5 patented
acres next to

Monitor Mine

Contact: John Rothermel

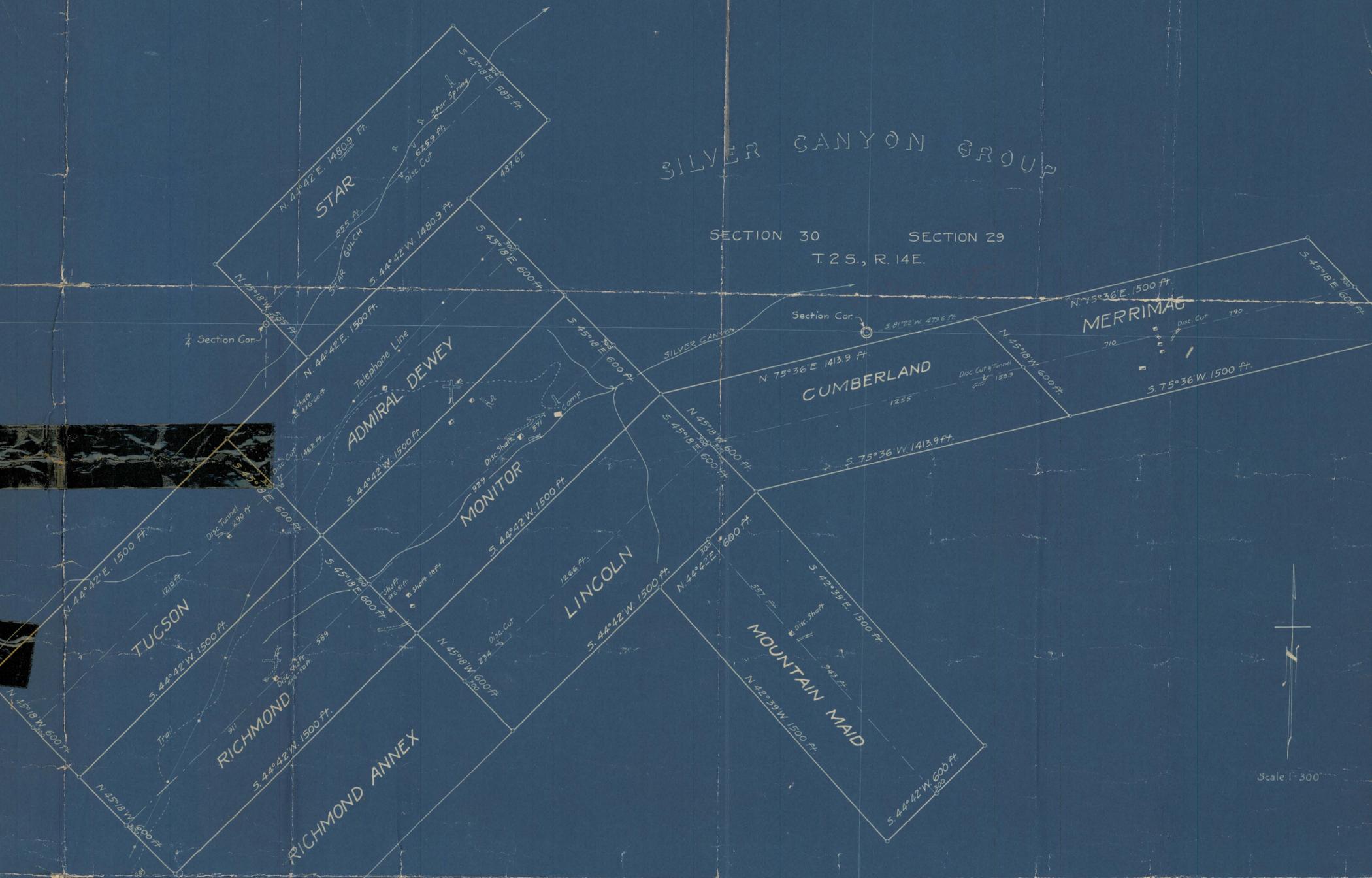
MS
1533

Silver Nickel Mining
Co 602-439-3143

SILVER CANYON GROUP

SECTION 30 SECTION 29
T. 2 S., R. 14 E.

SECTION 31 SECTION 32



MONITOR GROUP
OF
MINING CLAIMS

MINERAL CREEK MINING DISTRICT
PINAL COUNTY
ARIZONA

ENGINEERING OFFICE OF
DONALD C. SCOTT
SURVEY BY E. C. KINDERMAN
U. S. MINERAL SURVEYOR
December, 1926

