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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLACKWATER COPPER

ALTERNATE NAMES:

MINERAL BUTTE
APACHE MAID
UNPATENTED CLAIMS MS 3739
UNPATENTED CLAIMS MS 3922

PINAL COUNTY MILS NUMBER: 277

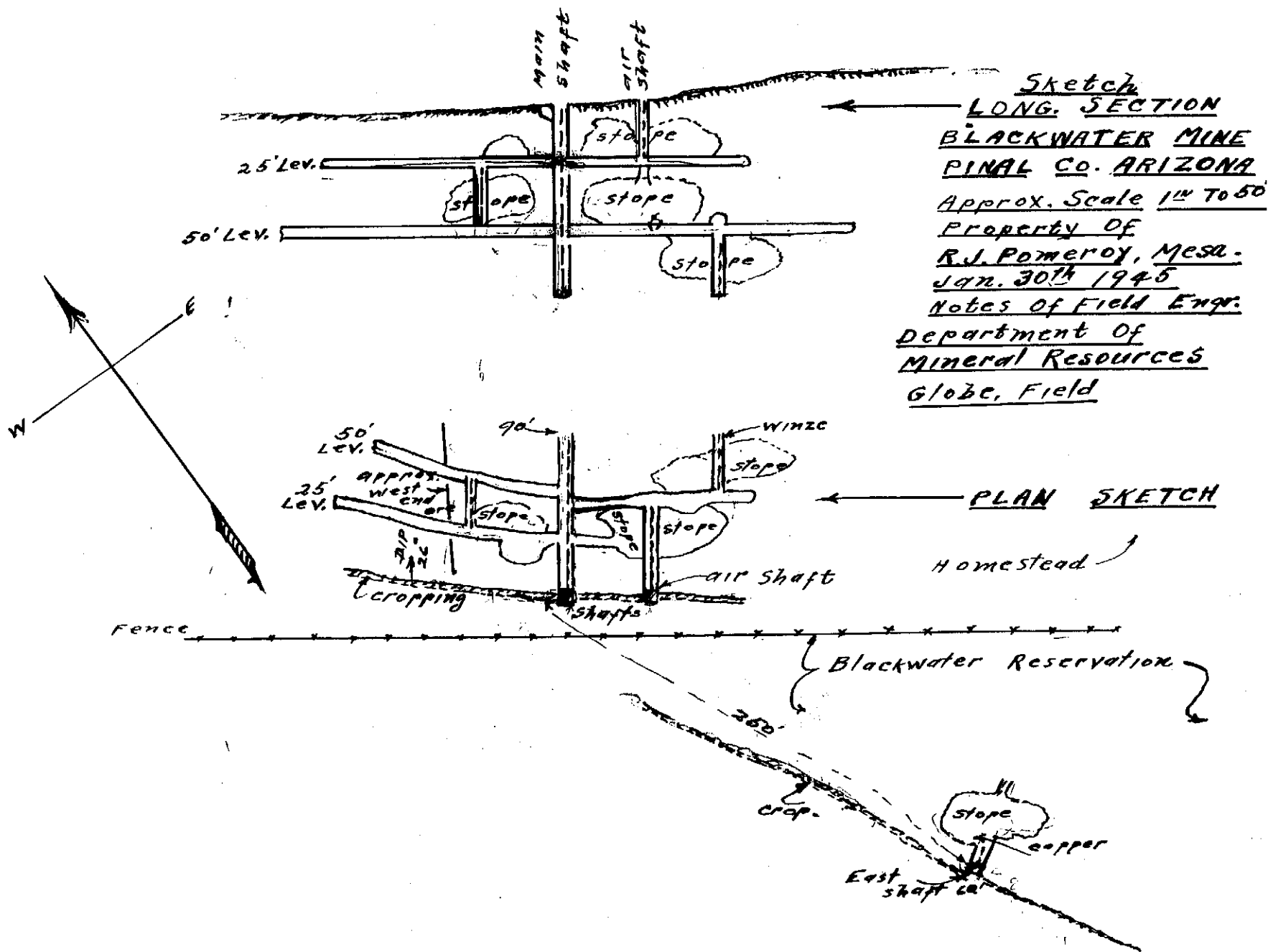
LOCATION: TOWNSHIP 4 S RANGE 7 E SECTION 3 QUARTER --
LATITUDE: N 33DEG 07MIN 00SEC LONGITUDE: W 111DEG 37MIN 34SEC
TOPO MAP NAME: SACATON - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER

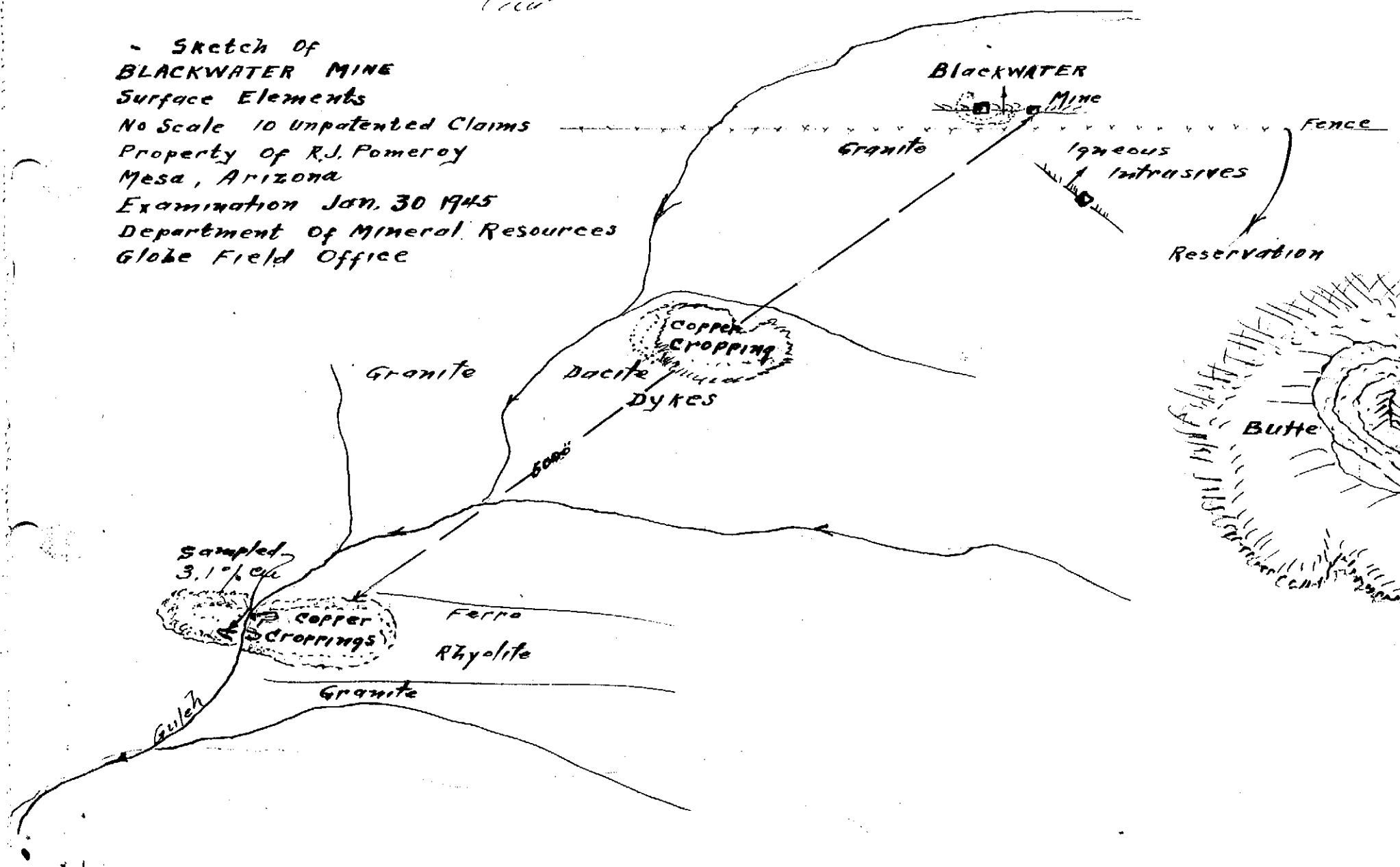
BIBLIOGRAPHY:

ADMMR BLACKWATER COPPER-LEASED SEC. 32 (FILE)
ADMMR MINERAL BUTTE AND GOLDMINE MOUNTAIN
AREAS FILE
BLM MINING DISTRICT SHEETS 568 & 572
CHAFFEE, MAURICE A., USGS 1278-D, 1976
ADMMR BEAR CREEK MINING CO. FILE
ADMMR BLACKWATER GROUP AND LEASED SEC. 32



Sketch of
BLACKWATER MINE
Surface Elements

No Scale 10 Unpatented Claims
Property of R.J. Pomeroy
Mesa, Arizona
Examination Jan. 30 1945
Department of Mineral Resources
Globe Field Office



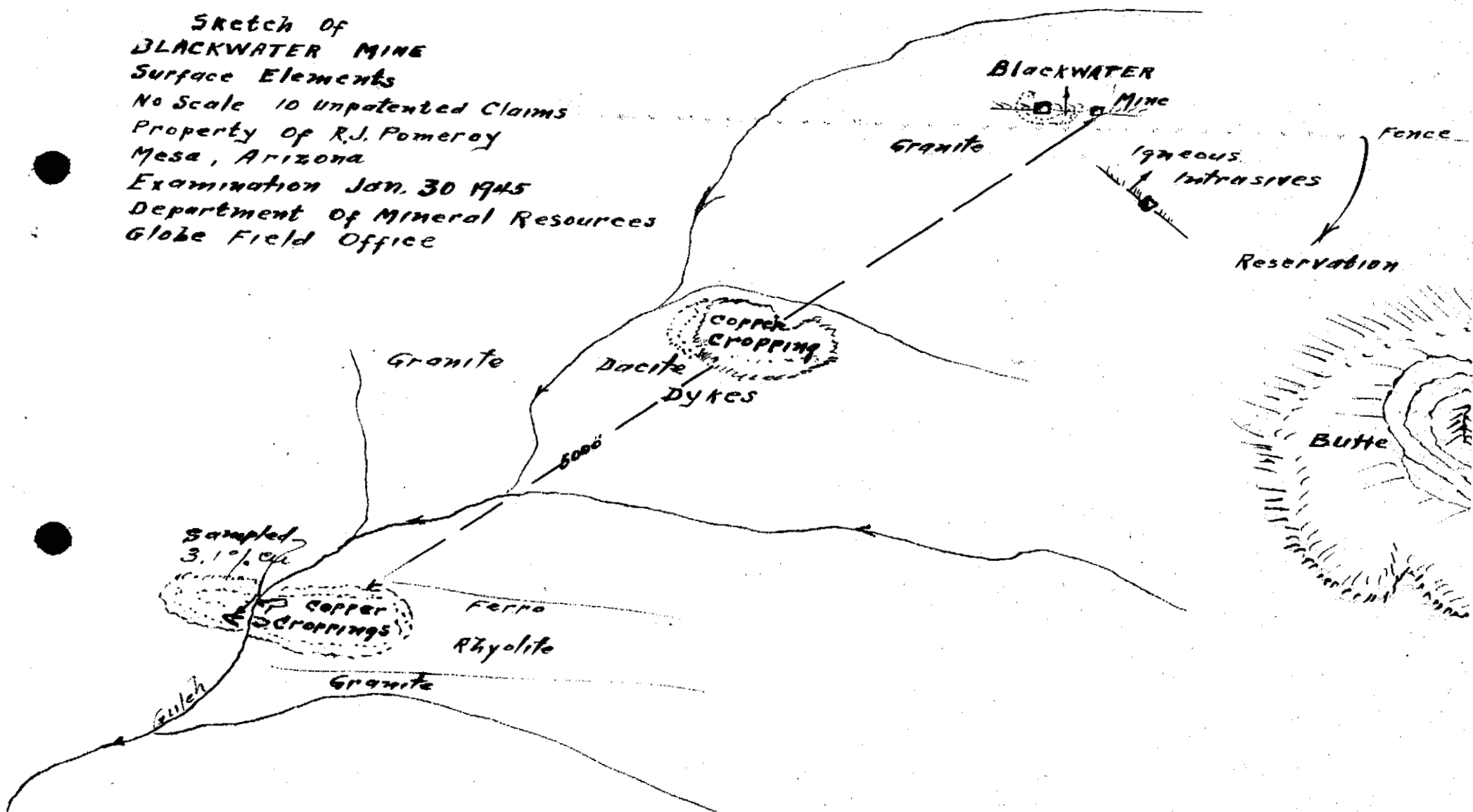
Sketch of
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Property of R.J. Pomeroy
Mesa, Arizona

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Globe Field Office



2-5-61
' BLACKWATER COPPER MINE
' (MINERAL BUTTE)

Blackwater Dist., Pinal Co.

Vance Bacon, Consulting Geologist, was in relative to Mineral Butte, northwest of Coolidge, which he is handling for the owners. Some information is in the files on this. He said that the capping is spotty, some areas indicating one percent and others much less. It needs to be drilled.

LEWIS A. SMITH - Weekly Report - 8-25-61

see MINERAL BUTTE & GOLDMINE MOUNTAIN AREAS (file)

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DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine ' Blackwater Mine (Mineral Butte,
Apache Maid Lease)

Date November 15, 1960

District Blackwater Dist., Pinal Co.

Engineer Lewis A. Smith

Subject: Interview with D.H. Jackson

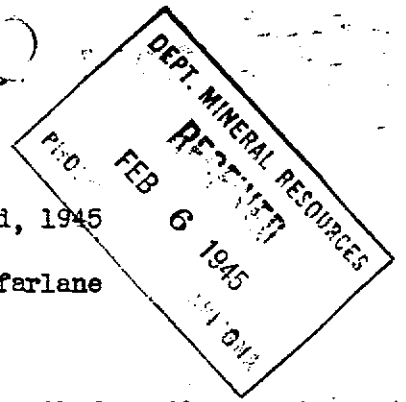
Location: Sec. 1-6, T 4 S, R 7 E, Sec. 31-36, T 3 S, R 7 E

Owners: ' R. B. Rodney, 265 W 1st St., Mesa, Arizona (Mineral Butte). ^{Gila} Salt River
Indian Reservation (Apache Maid Lease) (3000 acres). The area covers 2 miles wide by
6 miles long (elongated east-west).

Lease Option to D. H. Jackson, 850 W. Osborne, Phoenix and Lou Purigraski, 2937 W.
Bethany Rd., Phoenix.

Minerals: Copper

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine BLACKWATER COPPER

Date Feb. 3rd, 1945

District Blackwater Pinal County, Arizona.

Engineer A. Macfarlane

Subject: Examination

PROPERTY LOCATION ; Approximately 15 miles westerly by north from the county seat Florence, over the Hunt Highway for 13 miles, thence 2 miles of stub road following a southwesterly direction to the mine workings.

The mine workings are in a gap between two hills rising 300' above the flat foot lands, the route from the Magma rail Junction or from Florence S.P. station, is void of grades and in order to make the mine or stub road smooth, about one days Bull Dozer work, would provide the mine with an excellent road.

From the mine shaft to the Magma Rail junction is a distance of five miles.

ECONOMIC FEATURES ; The following estimate of marketing the copper ores of this mine, will cost; Trucking to Magma Jct. per ton\$0.50
Rail freight to Magma smelter 0.75
Smelting up to \$15.00 ore " 3.50
4.75 4.75

Assuming an average grade of copper ore of 3% at the price of 17cts, less deductions, net being 14cts, per pound for 60# less 10# pay for 50# at 14cts, value 7.00
Remainder to cover the mining costs and Genl. Expense 2.25
7.00

MINE WORKINGS ; Consists principally of a flat dipping shaft, said to be fully 80' deep on about a 25 degree dip, I went only to the 50' point of this shaft, from there downwards it looked unsafe.

from both the ends of this shaft on the 25' and 50' levels drifts and stopes extended for 70' northeasterly and about 30' south-westerly. In this latter direction the drifting was extended about 75' further without encountering additional copper ores.

The East shaft and stope made on a lenze or vein is separate from the main workings; the collar of this shaft is caved wide and about 20' below the surface, stoping has been carried both downwards and from the shaft ends. This former working probably reaches a depth of 60' below the surface, and there is visible in the shaft ends about a four foot vein of copper; there may have been wider ore stope from this part of the mine, which is 250' south 50 degrees east of the main incline shaft.

VISIBLE COPPER ORE ; Within these mine workings is indeed very little, due to a mining campaign of 1936 and 1937 when Mr Pomeroy shipped about 4,000 tons to the Hayden smelter, and as these shipments were mined from the small workings, very little ore was left now visible.

Considerable small caves and sloughing off from the hanging wall which is rather slabby and soft, has covered the drift floors.

The copper mineralization mined thru and from these stopes, had a length of 60 to 75' and was mined on the incline to about the same depth. The width of the ore varied from 2' to 5' and according to the carlot smelter settlement sheets, the average copper content of all shipments made, was fully 3.5% Cu.

These ore shipments were won from the stopes of the main shaft and the stope of the East shaft and I daresay, there is more of this grade copper to be mined from this small mine, providing, drifting and cross-cutting is carried into virgin ground, underneath the mined parts of the former ore lenses.

SURFACE ORES ; Almost a mile southwesterly from the main shaft there is a large cropping or surface mineralization, showing strong bands of copper carbonates.

This cropping is cut to a depth of about 10' by a water course exposing a width of 70' of copper and this maybe 200' or more along its north-easterly strike. I took a representative sample of the possible smelter grade copper and this sample assayed 3.01 %.

Other than a few shallow drill holes having been blasted, this surface copper body is virgin and as strong mineralization is visible on on both sides of the water course, it is quitelkely, that a substantial quantity of this carbonate ore can be mined by open cut mining at very low cost per ton. Two days work of a Bulldozer would make a road from this Southwest open cut, to connect with the road ending at the main shaft, thence 5 miles to rail switch.

RECCOMENDATIONS ; To further prospect the copper deposits of the Blackwater Mine the above described southwest cropping body should be trenched and opencut stoping of the best bands of visible copper, should be initiated at once.

The Main shaft be cleaned and timbered where needed, and drifting be carried along say 50' under the old stopes. This same type of work to be done within the limits of the east shaft.

As both the wall rock and vein matter noted within the shafts is rather soft and inclined to slough off the hangingwall, hand steel mining would be as cheap as by useing air drill; the opencut would require air - drill equipment.

FORMATIONS; Of the Blackwater group are principally granites much altered and showing considerable ~~kaolinizing~~ shist and kaolinizing, dykes of Dacite and rhyolite intruded the locality near the fractures showing copper and some fragmentory altered lime was also noted.

The importance and extent of the copper minerals cannot be fairly estimated at this time, due to the limited amount of exploration, but an immediate quantity of 2% to 3.% copper can be procured almost immediately from the Southwest cut and mineralization.

Depletion of Mineral Resources

February 10, 1945

other ore bodies, or extensions of the exposed ores, will, not having been deprived of selected ores, yield a higher average grade than is used in the calculation. Even based upon the average of past shipments, 3.5% cu., there is only \$3.65 per ton to cover the items outlined above. Both dip and condition of the hanging wall would need greatly improve to operate on this balance.

- (C) The most favorable feature of the property appears to be the large surface exposure at some distance from the main shaft on which Macfarlane took a sample assaying 3.01% cu. The mineralization is 70 feet wide and estimated to be 200 feet along the strike. Exploitation of this exposure could easily yield an earlier production and one which could be attained with less capital expenditure than the program proposed by the applicant.
- (D) It can be concluded that the property is marginal and only a critical shortage of silicious ores of the smelter would justify the risk of loan capital. A premium, now unlikely, would likewise alter the complexion of the project.
- (E) A revised application in which exploration of the surface area reviewed in paragraph C preceeding would more likely attract the support of this engineer than the program described by the applicant.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 8/7/45 water
 Name of Mine Black Warrior
 Owner or Operator Ralph J. Bonebrake
 Address 302 Home Bldg Bldg Phoenix
 Mine Location 15 miles northwest of Florence

Filing Information

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

PRESENT OPERATIONS: (check X)

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

PRODUCTION: Past and Future.

Tons

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

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors	<u>50 HP</u>	<u>150</u>	<u>750</u>
Other Mine or Mill Eqpt.			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper

REMARKS:

This operation is producing as expected, will continue to produce and is important

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

Chas H. Bonebrake

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date June 19 1945

Name of Mine Blackwater

Owner or Operator Ralph J. Parmeroy

Address 302 Home Builders Bldg.

Mine Location about 12 miles West of Florence 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 ☒;

Other (specify) Started mining Copper ores.

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months

Approx. present rate per 3 months

Anticipated rate next 3 months

If in distant future check (X) here

Idle Per month.
600 tons

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	_____	_____	_____
Light or Service Trucks	_____	_____	_____
Ore Hauling Trucks	_____	_____	_____
Compressors	<u>50 H.P.</u>	<u>150</u>	<u>490</u>
Other Mine or Mill Eqpt.	_____	_____	_____

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

Owner has started to open cut mine and indicated commercial sized body of low grade Copper ore

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. Macfarlane

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 1/26/45

Name of Mine Blackwater

Owner or Operator R. J. Boseroy

Address 302 Home Bldg Bldg

Mine Location Near Magma Mt.

Filing Information

File System.....

File No.....

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

PRESENT OPERATIONS: (check X)

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

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

Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months.....

Approx. present rate per 3 months.....

Anticipated rate next 3 months.....

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

*Preparing for RFL loan
and production*

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	<u>1</u>	<u>600</u>	<u>40</u>
Light or Service Trucks
Ore Hauling Trucks
Compressors
Other Mine or Mill Eqt.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper

REMARKS:

*Owner is compiling data preparatory
to an RFL application.*

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

Chief Engineer

January 16, 1947

*mailed
1-17-47*

Mr. Ralph J. Pomeroy
127 North Hibbert Street
Mesa, Arizona

Dear Mr. Pomeroy:

When you happen to be in Phoenix,
I would like to have a further talk with
you about the Blackwater Mine.

Yours sincerely,

Chas. H. Dunning
Director

CHD:LP

4/7/48

Present Owner:

Lawrence J. Smith
716 E. Bull St.
Phoenix, Ariz.

June 11, 1945

Mr. Ralph J. Pomeroy
302 Home Builders Building
Phoenix, Arizona

Dear Mr. Pomeroy:

Referring to a mine report of the Department of Mineral Resources, which I, as their field engineer, made, covering the Blackwater Copper Mine, dated February 3, 1945, I state as follows:

That the body of surface ores referred to in said report, that is the ores now available and exposed in this cropping, and in the surface cuts made on this mineral body, will not assay over 3 percent copper as mined for shipment to any of the smelters accepting such material.

I can state definitely that the ores you ship now from this cropping body will vary between 2 and 3 percent copper and that you will have to obtain a suitable special premium in order to mine and market these ores and avoid serious financial loss.

It is true that your father's operations of several years ago netted a copper ore of general higher tenor but none of these underground narrow vein ores are now available and should not be considered. Your present problem is to find ways and means of shipping the southwest cropping copper bodies.

Yours very truly,

DEPARTMENT OF MINERAL RESOURCES

Andrew Macfarlane, Field Engineer

AM:LP