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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: LORRAINE

ALTERNATE NAMES:
FUHRMAN GROUP

PINAL COUNTY MILS NUMBER: 118B

LOCATION: TOWNSHIP 1 S RANGE 14 E SECTION 19 QUARTER SE
LATITUDE: N 33DEG 19MIN 36SEC LONGITUDE: W 110DEG 58MIN 20SEC
TOPO MAP NAME: PINAL RANCH - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER SULFIDE
COPPER OXIDE
STONE CU OXIDES ?
GOLD LODE

BIBLIOGRAPHY:
ADMMR LORRAINE MINE FILE
RAND, L.H., & E.B. STURGIS, THE MINES
HANDBOOK, VOL. XVIII, 1931, P. 359
ADMMR U FILE PINAL CU 10
PETERSON, LN.P. GEOLOGY OF THE PINAL RANCH
QUAD, USGS BULL. 1141-H, 1963, P. H-14
ADMMR LORRAINE COPPER CO COLVO FILE

03/20/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

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ALTERNATE NAMES:
FUHRMAN GROUP

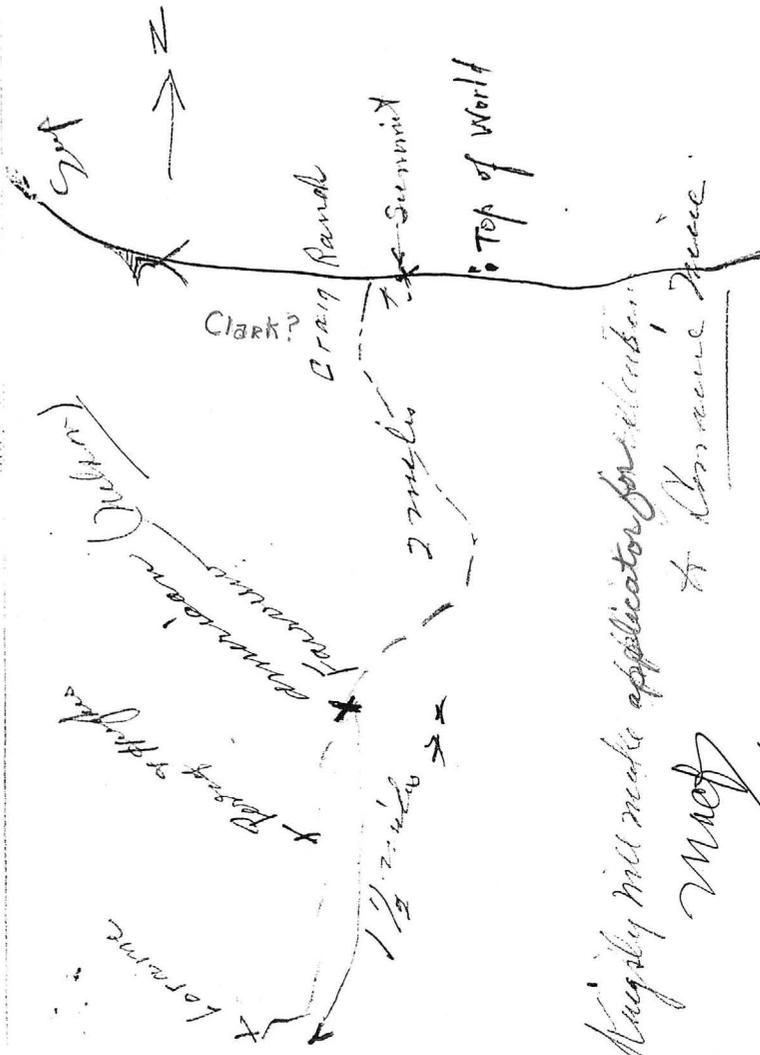
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Kingly will make applicator for Clark.
 Mof
 to Conance Place.

LORRAINE

PINAL COUNTY
SUMMIT DISTRICT
T1S R14E Sec. 19

AKA: Fuhrman Group

MILS Pinal County Index #118B

"U" File

Rand, L.H. and E.B. Sturgis, the Mines Handbook Vol. XVIII, 1931, p. 359

Peterson, N.P., Geology of the Pinal Ranch Quad USGS Bull 1141-H 1963 p. H-14

Pinal Ranch 7.5' Topo (included in file)

NAME OF MINE: LORRAINE

COUNTY: GILA *Pinal*

DISTRICT:

METALS: CU

OPERATOR AND ADDRESS:

MINE STATUS

DATE:

DATE:

5/1/44

Maj. Kingsley c/o Frank
Perry; Globe, Arizona

5/1/44

Developing

12/44

Solde

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine LORRAINE

Date December 24th, 1943

District PIONEER, Pinal County, Ariz. 13E1S

Engineer A. Macfarlane

Subject: Examination.

LOCATION

The Lorraine Mine is situated less than 1 mile from the County line of Gila and Pinal, and about three miles easterly from the main hiway extending from Miami rail station to Superior.

From a point 1/4 mile west of the village of Summit, a rough mountain road windes in an easterly direction, crossing a soulder of the Pinal Mtns at the American Mine and thence down the southeast slope or drainage into Mineral creek, to terminate near the northwest boundary line of the Lorraine claims. The Snyder copper mine is 1/2 mile west of the Lorraine, and the Main tunnel of the Lorraine mine is about 1/2 mile easterly from the road end and approximately 300' lower ~~ROADS~~

History

During 1928 to 1930 evidently the principal work of driving the main tunnel and mining some of the ores as encountered in a vein cut by this adit tunnel about 350' in a northwesterly course from the portal.

The claims were located before the above stated date of 1928 and certain location and cropping cut holes made, but the only records available of ore shipments from the main tunnel are dated 1930, and according to local residents, but little work has been done on the claims since the early 1930-ies .

Vein & Mineralization

The vein as cut in the adit tunnel is fully 20' wide but is split by a horse as seen in the old stope, making a 3' heavy sulfide of iron hanging wall mineralization and then passes thru a Diorite dyke to make a vein about 3' thick, impregnated with copper carbonates, in a gossanized gangue.

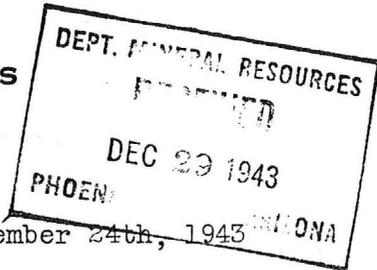
Both along the back of the drift and under the floor for nearly 70' stoping has been done and the entire past production of the mine is from this ore shoot and stope, (see sketch map).

This mineralization and ore shoot is a little over 100' long, the course of the ore and the structural formation being north sixty degrees east; the drift was continued beyond the ore limits for nearly 100' further without results.

It is apparent that the tunnel drift cut thru the top of an ore shoot and the miners who extracted some two to four carlots of copper, carried their stoping work to some now unknown depth below the floor of the tunnel, for a length of sixty to seventy feet.

Am confident this stoping did not go below about 20' to 30' as no doubt the water in the vein would have blocked them from mining deeper; it is certain that all the ore mined below the tunnel floor, was shipped and sold to smelters.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT



Mine LORRAINE

Date

December 24th, 1943

District PIONEER, Pinal County, Arizona,

Engineer

Subject: Examination

2

The foot wall of Pinal schist is well defined showing slickensides and dips about 50 degrees towards the south; however the Diorite horse or dyke, which is the major part of the vein filling, is cut off by the Pinal schist, a short distance easterly of the ore shoot.

In fact the copper is only existent in connection with the Diorite thus showing a co-relation of the intrusive igneous dyke with the copper deposition.

Available Ores

Due to seepage water filling the underhand stope, I was unable to obtain an idea of the width of the vein or the grade of same, below the tunnel floor.

I took four channeled samples across the vein along the back of of the tunnel, in order to ascertain the grade and width of the ore shoot, immediately above the back, and list the assays of same in the following tabulation

Nos.	Au.	Ag.	Cu. %	Width Sampled	Description
1	Tr	1.0	5.78	3 Ft.	At point 25' easterly from Adit Tun.
2	"	11.08	16.98	2.5 Ft.	" " 50' " " " "
3	"	0.8	1.47	2.5 "	" " 85' " " " "
4	"	0.96	2.49	2.5 "	" " 105' " " " "

The above four samples give an average of Gold a trace, Silver 0.95 o and copper 6.68%. Two settlement sheets dated 1st, Feb. 18th, 1930 of the Magma Smelter and Feb. 26th 1930, assayed 6.4 % and 5.25 % Cu. respectively.

This slight difference is accounted for by the erratic distribution of the copper in the vein and blasting dilution occurring when mining.

The assay plan of this stope and tunnel back made by John F. Duling during September of 1926, I believe to be, a fair sampling of the ore shoot.

From the appearance of the vein along the tunnel back, additional tonnage of unknown amount can be stoped above the tunnel back; in fact the ores may extend upwards for more than 100'.

It is likely that the best grade of ore was found in the underhand stope and the major value of the property, will be determined, by carrying the vein development, downwards on this ore body.

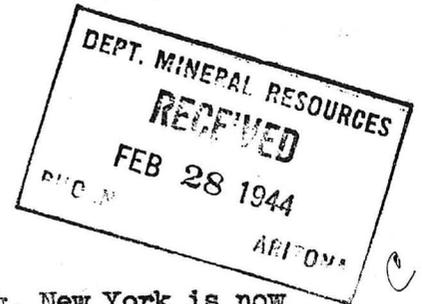
Mining Costs

The schist formation is sheeted and only of medium hardness to soft; the pay vein is foot walled by this schist, with distinct cleavage and as yet the ore shoot and the subsequent stoping width would not be more than 4', of which about 1 1/2' of the mined ground would be gobbed.

February 25th, 1944

Box 506 Globe, Arizona.

Regional Technical Director
W.P.B. Mr A.C. Bebeker
Phoenix, Arizona.



Dear George;

Mr J.T. Kingsley of 209 Mills Bldg. New York is now initiating some mine work on a prospect called Lorraine, situated about 3 miles easterly from the village of Summitt, which in turn is about 8 miles south of Miami.

Mr Kingsley has contacted the Copper Division office there and they have advised him to obtain from your office, such forms as he will require to obtain mine trackage, pipeing etc.

If you will mail to me here the forms to be filled out and after proper signature, to be returned to you, and such other instructions to Mr Kingsley as may help him avoid delays, I am in position to help Kingsley fill the forms.

The Washington office mentioned form WPB 2910 and further suggested that Form 1212 should also be filled out in order to obtain a serial number for the Lorraine mine.

Personally I beleive Mr Kingsley and his foreman can obtain locally nearly all the materials they will need, of course used trackage and pipeing , and they would not require a serial number to obtain used equipment.

The mining operation intended now by Mr Kingsley, will be limited to the cleaning out about 75 tons muck from a tunnel this to be followed by pumping dry a small underhand stope and winze, which followed downward from the tunnel floor a small shoot of copper.

Awaiting your advices in all the above, I am.

Yours very truly