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05/19/88

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: AURORA

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 116B

LOCATION: TOWNSHIP 23 N RANGE 18 W SECTION 2 QUARTER SW
LATITUDE: N 35DEG 25MIN 06SEC LONGITUDE: W 114DEG 10MIN 32SEC
TOPO MAP NAME: CHLORIDE - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

VANADIUM
LEAD OXIDE
GOLD LODE
SILVER OXIDE
ZINC

BIBLIOGRAPHY:

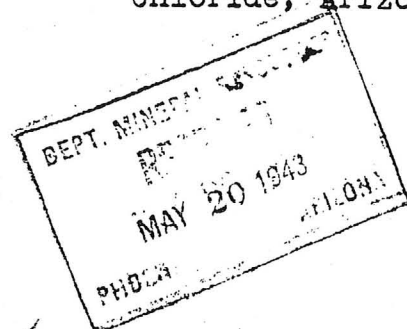
ADMMR AURORA MINE FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
ADMMR VANADIUM FILE, BOOK I
DINGS, M. "WALLAPAI MNG DIST, AZ" USGS BULL
978-E, P. 148-149, 1952

May 19, 1943

Vanadium
Aurora Mine,
Mr. Vondriska,
Chloride, Arizona.

MEMORANDUM

To: Earl F. Hastings
From: Elgin B. Holt



Reference is made to your letter to Elmer E. Vondriska, Chloride, Arizona, concerning the Aurora mine, near Chloride, belonging to Dr. Blackwell and leased to Vondriska and his associate, James Depoe.

I visited this property on May 5, 1943, in company with the said lessees. At the Chloride Council meeting a few nights before, I talked to Vondriska and he was of the opinion that his ore assayed 70% V2O5. He then showed me the assay certificate from the Vanadium Corporation, Bishop, California, and the same read: 0.70% V2O5! So it is plain he did not know how to read an assay certificate.

The day I visited his property, he still seemed "wool-gathered" about the said assay results, and wanted to argue about it. I then showed him just what pure vanadinite crystals assay in Dana, which is Vanadium pentoxide (V2O5) 19.4%, lead protoxide 78.7%, chlorine 2.5%, eq. 100.6%.

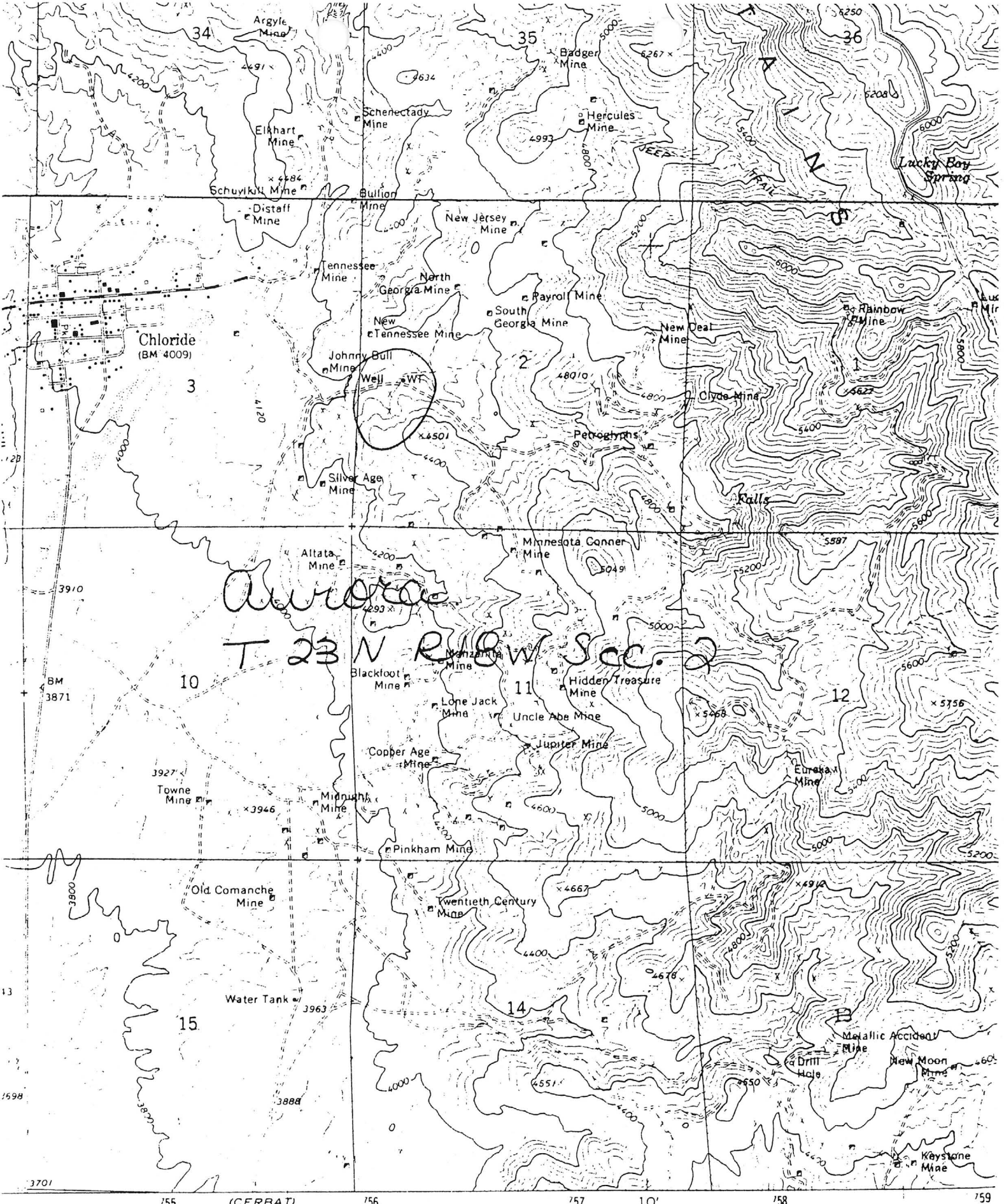
Then I told him that his ore contains only 14 pounds of V2O5, worth 50 cents per pound, per a letter he showed me from the Vanadium Corp.; but still he was only half-way satisfied.

In short, I do not think this deposit amounts to anything at all, as not enough ore could be developed, vanadium ore, to supply a mill of any size. Again the vanadium will play out as soon as water is reached, and lead, or rather galena ores will come in. I told him so; but advised him to sink in order to hunt for galena-blende ores.

Herewith, I am mailing you my sketchy report on this property, for our files.

Elgin B. Holt.

cc- J. S. Coupal



Aurora
T 23 N R 10 W Sec. 2

05/19/88

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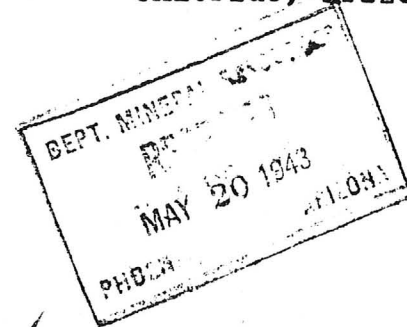
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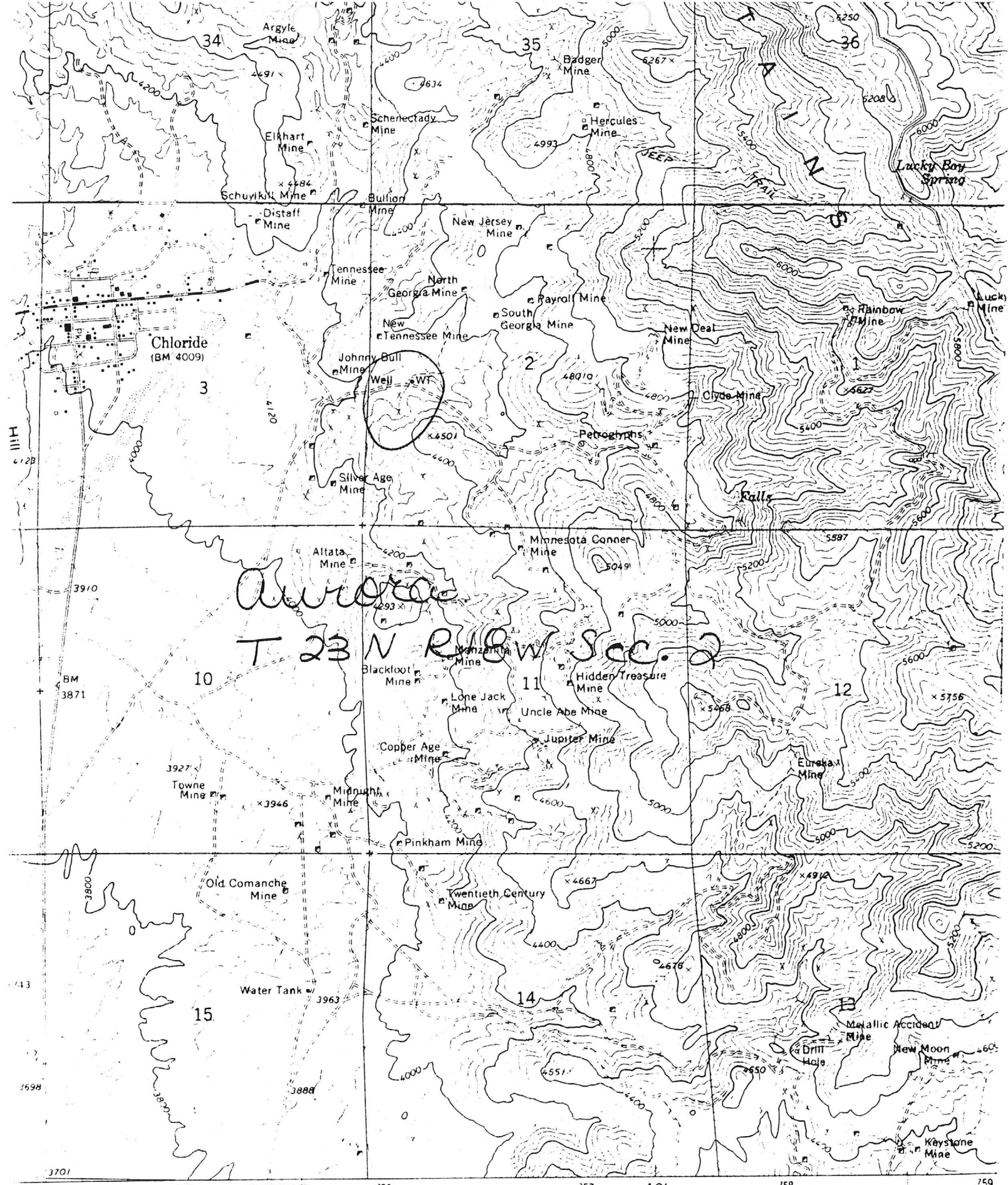
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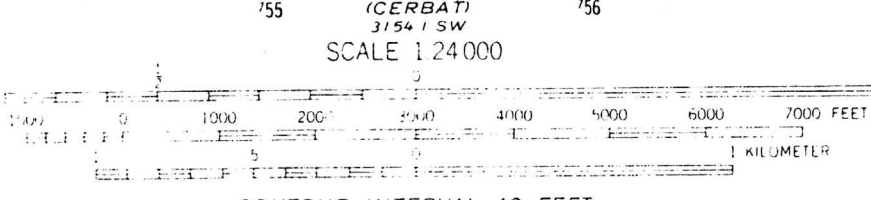
cc- J. S. Coupal



Auriferous
T 23 N R 18 W Sec. 2

Well
WT

Chloride, AZ
7.5



NAME: AURORA

COUNTY: MOHAVE

T23N R 18 W SEC. 2

Elev. 4300

DISTRICT: WALLAPAI

1 mi ESE CHLOPIDE

3? E. Central

CHLOPIDE

Mineralization: Ag, Pb Vanadium (on Zn Au

Vein Vertical NS strike 4' wide Trace 1400

Geology:

Type Operation: 300 drift 40' winch

Production:

References: USGS 978-E P149

Mohave County Card File

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine ✓ Aurora

Date May 15, 1952

District $\frac{1}{2}$ m. SE Tennessee Mine

Engineer Mark Gemmill

Subject: Present status

✓
According to the records the property now belongs to Mrs. Herbert Langlois,
c/o Langlois Trucking Co. Los Angeles, Cal.

It has been inactive for some time. No first hand information as to the value
of the property is obtainable, but I was told by several men in the district
that it had produced some ore and had further possibilities

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine AURORA

Date May 19, 1943

District Chloride, Mohave Co., Ariz.

Engineer Elgin B. Holt

Subject:

R E P O R T

OWNER: Dr. J. C. Blackwell, Chloride, Arizona.

LESSEES: Elmer E. Vondrisk & James Depoe, Chloride, Arizona.

LOCATION: This property, consisting of one mining claim, is located about one-half mile southeast of the Tennessee mine and 1.5 miles easterly from Chloride, Arizona. Property is now being operated, in a small way by lessees.

GEOLOGY---VEINS: The country rock is grano-gneiss complex. Main vein strikes N. 14 deg. W; and dips 75 deg. southwesterly. There is also another vein, which branches off from main vein and strikes in a southeasterly direction.

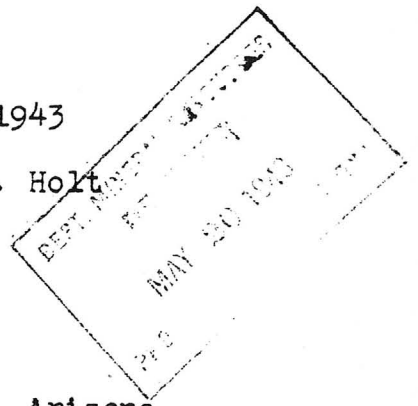
MINE WORKINGS: A tunnel has been driven on the main vein 258 feet, S. 14 deg. E. The first 100 feet of this tunnel is entirely barren of values; but after 100 feet was driven, a vein around 4 feet wide was encountered with spotty lead-silver values showing occasionally, with traces of vanadinite. Tunnel was continued another 110 feet, at which point a chimney of vanadinite ore was encountered, with a length of 25 feet and a probable width of 8 feet. Years ago, before it was known that vanadinite existed in the mine, a winze was sunk on the said ore chimney to a depth of 55 feet; but as this winze was sunk vertically, and as the vein dips 75 deg. southwesterly, as stated, the bottom of the winze is in the foot wall of the vein, and around 15 feet therefrom.

VANADINITE VALUES: Lessees shipped a 5-pound sample of mine-run ore from the ore chimney mentioned, to the U. S. Vanadium Corporation, Bishop, California, with a request that the sample be assayed. Results: 0.70% V2O5. It is my opinion that the vanadinite chimney mentioned is merely a surface enrichment, caused by downward percolating cold solutions, and that with slight depth the vanadinite will disappear entirely; but below water level there is a chance that commercial lead-silver ores may be found.

INTERSECTING VEIN: Around 300 feet north of the portal of the main tunnel, the said intersecting vein was opened by a 60-foot tunnel and a winze 30 feet deep on vein, which is around 6 feet wide, with a pay-streak from one inch to 4 inches wide of galena ore; but no vanadinite is showing in this latter vein.

CONCLUSION: I think this property is of little prospective value as the source of vanadium ore; but with deeper sinking, as stated, there is a chance that lead-silver values of goodly grade will be uncovered.

Elgin B. Holt
Elgin B. Holt.



DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date June 17th. 1939.

Mine ☒ Aurora.

District Wallapai

Location Chloride

Former name

Owner ☒ J. G. Blackwell

Address Chloride

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals ☒ Lead and vanadium.

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. One

Description: Topog. & Geog.

Mine Workings: Amt. & Condition Drift, crosscut and winze.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Good. A mile from Chloride

Water Supply

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. J. G. Blackwell,
Chloride,
Arizona.

Signed.....

J. G. Blackwell

Use additional sheets if necessary.