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02/27/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: AUSTIN MINE

ALTERNATE NAMES:

COCHISE COUNTY MILS NUMBER: 310

LOCATION: TOWNSHIP 14 S RANGE 28 E SECTION 30 QUARTER NE
LATITUDE: N 32DEG 12MIN 00SEC LONGITUDE: W 109DEG 31MIN 00SEC
TOPO MAP NAME: DOS CABEZAS - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

TUNGSTEN
LEAD
COPPER

BIBLIOGRAPHY:

DALE, V.B., ET.AL., TUNGSTEN DEPSOITS COCHISE
PIMA, SANTA CURZ, COUNTIES ARIZONA, USBM
RI 5650, P. 23-25 (1960)
ADMMR AUSTIN MINE FILE

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MM 1420 Tungsten Ore

COCHISE COUNTY

AUSTIN MINE (F. S. ...)

MILES 310

0-1000

Austin Mine

6-803
(January 1952)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Dole No. 20

SUMMARY REPORT OF MINERALS EXAMINATION

State ARIZ. County Cochise Mineral Products W₃, Pb, Cu
Name of property or deposit Austin Mine
Date examined 4/8/57 Engineer V. B. Dale Date of this report 4/24/57
Reason for examination Approval of Turbsten Deposits Ariz. & N. Mex. Auth. 2078
Engineer accompanied by No one Address _____
Extent of property 3 Unpatented claims
Owner George A. Kaske Address Box 17, Dos Cabezas, ARIZ.
Leased or optioned to No one Address _____
Location of property (be specific) NE 1/4 Sec. 30, T. 14 S., R. 28 E.
G. & S. R. B. M. Approx. 8 road miles east of Dos Cabezas, ARIZ.
Type of deposit and mineralogy (brief description) Quartz veins in siliceous limestone carrying W₃, Galena, Chalcopyrite, and pyrite.
Known dimensions of the deposit Length 75 Ft. Width 2 1/2 Ft. Depth 85 Ft.
Attitude of the deposit (strike, dip, etc.) N. 70° E., dip is steep and variable.
Possible extensions; correlation of known showings This scheelite occurrence appears to be identical to the fine quartz veins on the Silver Strike and Silver Bell properties in sec. 30 & 29, T. 14 S., R. 28 E.
Mine workings (brief description or attach map or sketch) (indicate whether accessible) 1 shaft approx. 85 feet deep and 1 adit approx. 190 feet long that cuts the bottom of shaft. adit has one drift about 70 feet long. all are accessible.

(over)

Mining and milling equipment on property 1 Compressor - 10 S.C.F.M.;
1 double-drum tigger hoist; about 600 ft. of pipe from
1/2 to 2 inch dia.; approx. 300 ft. track, 12 Lb.; 1-12 Cu. Ft. ore
car; blacksmith shop; assorted tools.
Past production (if any) None.

Present rate of production (if any) None

Sampling (describe briefly, or attach sketch) No samples were
cut.

Tentative Estimate of Reserves

(Subject to revision when assays are received or after engineering calculations)

Measurable ± 20 tons Grade ± 20%
Indicated ± 250 tons Grade ± 10%
Inferred 2,000 tons Grade ± 10%

Above figures from previous work by U.S. B.M.
Mining method (actual or suggested) open slope with stulls +
headboards where necessary.

Milling or processing method (actual or suggested) gravity concentration,
and clean scheelite concentrates of galena and chalcopyrite
with flotation.
Processing tests suggested.

Tentative conclusion and decision this mine appears to be on the
eastern limit of a scheelite occurrence extending across
sections 28, 29, & 30, T.14S., R.28E., G. & S. B.M. This
zone, as a whole, looks favorable for an appreciable amount of
To be accompanied by brief letter giving examining engineer's general impression of the
deposit, his impression of the owner, and any other confidential information he may care
to submit. Refer to any known prior examinations and reports. May be executed in pencil.
Should be mailed within 24 hours after examination is completed.

Send original and one copy to Washington Office.
scheelite production

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Austin Mine

Date April 11, 1956

District Dos Cabezas District ---- Cochise Co.

Engineer Axel L. Johnson

Subject: Present Status. Personal Visit and information from George Kaske, owner & oper.

Location See report of Aug. 10-Dec. 13, 1955.

Owner George Kaske, Box 55, Sahuarita, Ariz.

Operator same as above.

Principal Minerals Tungsten ore in the form of scheelite.

Number of Men Employed 2

Production Rate. No production. Operator is driving an adit to intersect the vein.

Topography & Geology See report of Aug. 10- Dec. 13, 1955.

Ore Values Mr. Kaske showed me a Bureau of Mines sample on the 60 ton ore stockpile, which assayed 1.83 % WO_3 , 3.3 % Pb, and 0.06 % Cu, and another Bureau of Mines sample, taken near the bottom of the 40 ft. shaft, which assayed 4.36 % WO_3 , 5.5 % Pb, and 0.14 % Cu. He also stated that 5 samples, taken in the 40 ft. shaft by Arthur Jacobs, Tucson, averaged 2.05 % WO_3 .

Ore in Sight and Probable, Milling and Marketing Facilities, and Present Mine Workings see report of Aug. 10-- Dec. 13, 1955.

Present Operations Mr. Kaske is, at present, engaged in driving an adit to intersect the vein on a D. M. E. A. Loan Program. He is now in 11 ft. from the open set with this adit. Part of the time he is working by himself, and part of the time he has a helper. He has an old and in bad condition air compressor and no doubt he is experiencing difficulties with its operation. He has been drilling dry up to the present time, but now he is planning to make some arrangement for a water supply.

D. M. E. A. Exploration Loan Mr. Kaske informs me that now the amount of the D. M. E. A. Exploration Loan is \$10,000, with the Government's share \$7,500. This includes the following:

(1)	160 ft. of adit @ \$32 per foot -----	\$ 5,120
(2)	100 ft. of drifting @ \$32 per foot -----	3,200
(3)	40 ft. of raising @ \$32 per foot -----	1,280
(4)	Roadwork and assaying -----	400
	Total -----	\$10,000

AUSTIN MINE

COCHISE COUNTY

Last Chance Dos Cabezas Ag-Pb-Au 6-1939
3 claims - unpatented
27 miles E. of Willcox

This property is now called "Austin Mine", and is owned by George Kaske, by relocation.

Please file this property under the name of Austin Mine.

Please see my report of this property under the dates of August 10, 1955 & Dec. 13, 1955.

Axel L. Johnson
Field Engineer

Received - March 6, 1956
Dept. of Mineral Resources
Phoenix, Arizona

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine / Austin Mine

Date Aug. 10, 1955 & Dec. 13, 1955

District Dos Cabezas District -- Cochise Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report & Information from ✓ George Kaske, Owner.

Location About 8 1/2 miles north-east of Dos Cabezas. Drive 3 miles east of Dos Cabezas on the Dos Cabezas-Chiricahua road. Turn left (north) and drive to Bill DeBord's ranch, a distance of 1 1/2 miles. Continue driving north for 4 1/4 miles to the mine. Location is known as "Wood Canyon".

Owner ✓ George Kaske, Box 55, Sahuarita, Arizona.

Operators Not yet in operation.

Principal Minerals ✓ Tungsten ore in the form of scheelite.

Number of Men Employed None.

Topography Mountainous. On the southern slopes of the Dos Cabezas Mts.

Geology Country rock is schist. A quartz vein, about 4 ft. wide, striking approx. east and west, with variable dips nearly vertical, contains the tungsten values. At the 40 ft. shaft, the dip of the vein is about 80 deg. north for the 20 ft. nearest the surface, then the dip changes to about 80 deg. south for the remaining 20 ft. The 4 ft. wide vein is mineralized for a width of 24 to 30 inches, and the owner states that assays of same have averaged about 2 % of WO_3 . The vein material consists of broken and shattered quartz, which contain some lead sulphide and lead carbonates and traces of copper carbonates, together with the scheelite.

Ore Values Mr. Kaske, the owner, states that a 60 ton stockpile of ore from the shaft assays an average of 1.38 %, the assays varying from a high of 2.97 % to a low of 0.95 %. He also states that an assay of a 30 inch wide sample on the vein in place ran 2.0 %.

Ore in Sight and Probable. A 60 ton ore stockpile, with analyses as shown above. Ore showings in the 40 ft. deep shaft on the east and west sides of the shaft. The upper 20 ft. appears to expose medium grade of ore, while the lower 20 ft. shows a very good grade of ore.

Milling and Marketing Facilities No mill on the property or the immediate vicinity. On account of this ore containing a considerable amount of lead, flotation will, no doubt, be necessary in the milling process.

Present Mine Workings (1) 1 -- 40 ft. shaft, following the vein (incl. 80 N. to 80d S)
(2) 2 small open cuts (4 x 6 x 8) near the shaft.
(3) 1 tunnel about 130 ft. long, driven towards the shaft at an elevation of about 80 ft. below the top of the shaft. No ore values in same.

Proposed Plans On Aug. 10, 1955, Mr. Kaske informed me that he had applied for a D. M. E. A. exploration loan in the amount of \$ 8,500 (\$2, 125 Kaskes share & \$ 6,375 the government's share). The program would include driving the tunnel ahead an additional 160 ft. to intersect the vein below the shaft, 50 ft. of drifting on the vein, and 40 ft. of raising up to the bottom of the shaft.

Terms of Sale or Lease Mr. Kaske states that his property is for sale. Price is \$ 15,000, with \$ 5,000 down and balance after property is proven up, or within 6 months.

C O P Y

Tucson, Arizona
Dec. 6, 1955

✓ Austin Mine, from information from George Kaske, Box 55, Sahuarita, Ariz.--
8/10/55

✓ This mine, owned by George Kaske, of the address above, is located on Wood Canyon, about 8 miles east of Dos Cabezas. Mr. Kaske, on Aug. 10, reported that he had a vertical shaft on the property about 40 ft. deep, and that this shaft exposed a vein 30 inches wide, which averaged 2% scheelite. He stated that there was a considerable amount of lead mixed in with it ---both lead sulfides and lead carbonates, and that this first had to be sorted out, and then the remainder, still containing some lead would have to be milled by flotation. Mr. Kaske reported that he had applied for a D.M.E.A. loan on the property in the amount of \$8500 total. This would include the driving of a 160 ft. tunnel to intersect the vein, 50 ft. of raising and 50 ft. of cross cutting. Mr. Kaske, also reported that he had about 60 tons of scheelite ore in an ore stockpile, which averaged 1.38% WO_3 , which came out of the shaft, and that the shaft showed ore all the way for 40 ft.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date **June 6, 1939**

Mine **Last Chance**

District **Dos Cabezas**

Location **27 miles east from Wilcox, Ariz.**

Former name

Owner **Henry Meins**

Address **Cochise, Ariz.**

Operator **Same**

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals **Silver-lead and gold**

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present **Idle**

Operations Planned **Depend on financing**

Number Claims, Title, etc. **Three claims, unpatented lodes, located 1922.**

Description: Topog. & Geog. **On east spur of Dos Cabezas mountain. Close to Government Peak. Elevation about 66,000 ft. Deposit occupies a hog back, about 100 ft. above the canyon bed.**

Mine Workings: Amt. & Condition **Opened by tunnel 70 ft. long and shaft from surface to about 40 ft. Shaft is in ore and the tunnel is a crosscut which will open the vein at depth of 100 ft. below the collar of the shaft. It will require about 100 feet more tunnel to reach the vein.**

Geology & Mineralization **Heavy quartzite reef runs through from E to W, cutting limestone and Andesite mainly. Ore occurs in the contact. Limestone is of Mississippian Age. Ore is partly oxidized and partly sulphide. Vein averages about 4 ft. in width.**

Ore: Positive & Probable, Ore Dumps, Tailings **About 35 tons ore on dump. Vein believed to average \$10.00 per ton as mined and can be sorted to about \$30.00**

Mine, Mill Equipment & Flow Sheet **Track in tunnel**

Road Conditions, Route **Road is good to canyon and passable to the mine, about $1\frac{1}{2}$ miles distant.**

Water Supply **Water for camp use from shallow well. Can probably develop ample water.**

Brief History **Property had a small amount of work in shaft and tunnel when located by present owner. Not believed to have made any production.**

Special Problems, Reports Filed **No engineer's report available.**

Remarks **This property is spoken of as a worthy prospect for small scale development. Has ore in sight to begin on. \$1,000 is the amount believed necessary to open property to 100 foot level and determine further program.**

If property for sale: Price, terms and address to negotiate. **Property for sale on lease and option, but would prefer to borrow money or get backing to develop.**

Signed.....**Henry Meins**.....

AUSTIN MINE

COCHISE COUNTY
DOS CABEZAS District
T14S R28E Sec. 30 NE¼

ML-7 LAST CHANCE MINE, Henry Meins, Cochise, Arizona.

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

Charles E. Lees, 240 N. Cliffwood Ave., Los Angeles, California

Department of Mineral Resources
J. S. Coupal, Director

~~PL 5650~~ (Last Chance)



See: Map I-1310-B p. 49; Mineral Deposit Map of the
Silver City 1⁰ x 2⁰ Quad, NM & AZ

Cochise County MILS Index #310

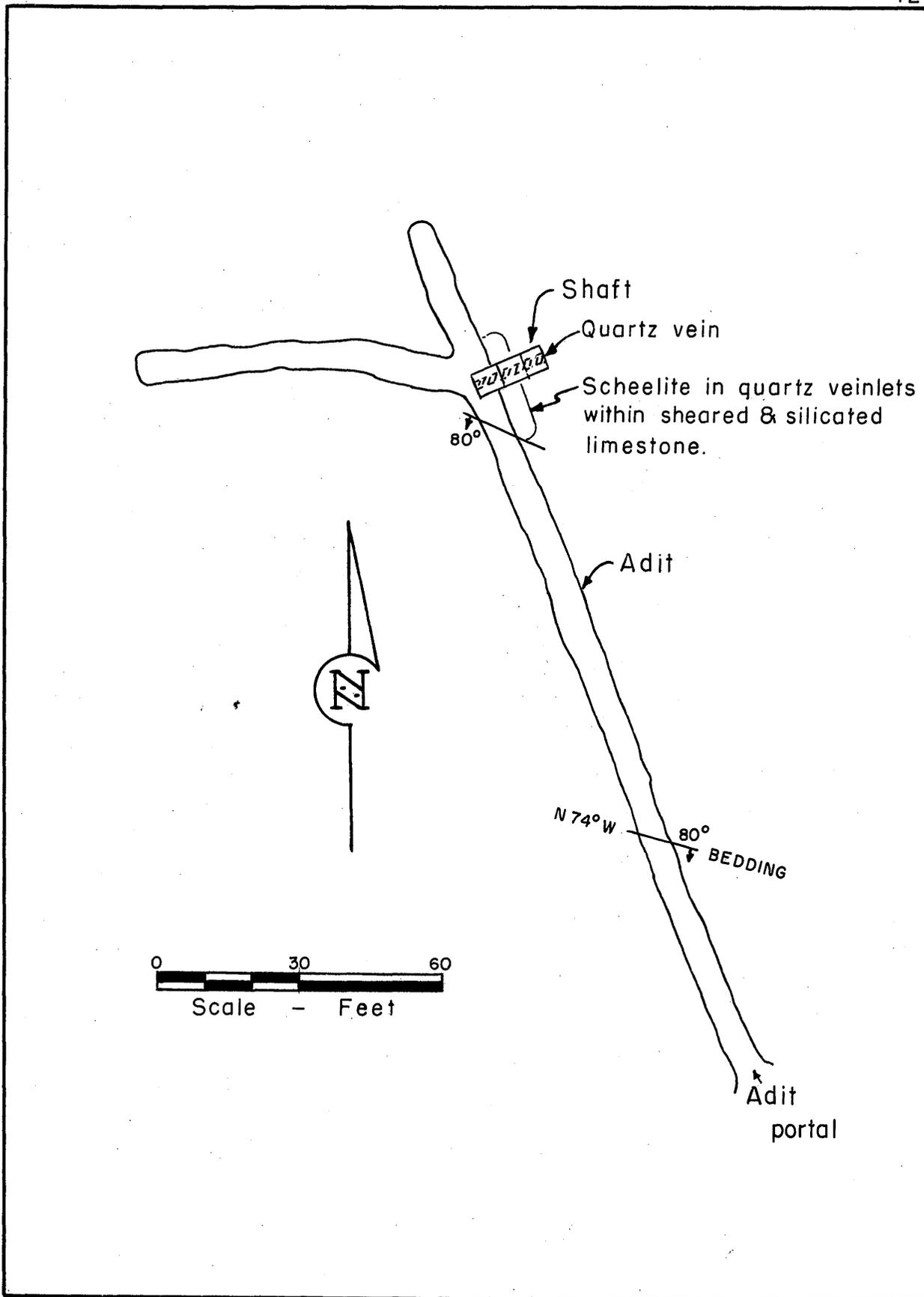


Fig. 9-Workings on Austin Claim