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(4-683.)

Mineral Survey No. 1234Lot No. 1234~~Arizona~~ Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Copper Queen Consolidated Mining Company, Ben Williams, Agent.

KNOWN AS THE

~~Black Jade~~

Mining District,

Cochise County, Arizona

Section 12, Township 21 N., Range 24 E. (unsurveyed)Surveyed under instructions dated December 25th, 1898,by George J. Raskrige,
U. S. Deputy Mineral Surveyor.Claim located November 29th, 1898.Survey commenced December 8th, 1898.Survey completed December 31st, 1898.

o 6-160

Address of claimants Agent.

Risbee, Cochise County.

Arizona.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

I, Charles James, do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given me, in the survey of the Mining Claim of The Copper Queen Consolidated Mining Co., Ben Williams, Agent, known as the "Jack Lode", situate in Warren mining district, Graham County, Arizona, in Section 23 S., Township No. 23 S., Range No. 24 E., unsurveyed.

Charles James, Chainman.
Charles James, Chainman.

Subscribed and sworn to by the above-named persons before me this 10th day of December, 1898.

George J. Roskruge,
notary public
My commission expires Feb. 11, 1899.

I, James D. Blair, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of The Copper Queen Consolidated Mining Co., Ben Williams, Agent, known as the "Jack Lode", more fully described in the preceding affidavit.

James D. Blair, Axeman.
Subscribed and sworn to by the said James D. Blair before me this 10th day of December, 1898.

George J. Roskruge,
notary public
My commission expires Feb. 11, 1899.

I, C. L. Beckwith, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of The Copper Queen Consolidated Mining Co., Ben Williams, Agent, known as the "Jack Lode", more fully described in the preceding affidavit.

C. L. Beckwith, Flagman.
Subscribed and sworn to by the said C. L. Beckwith before me this 10th day of December, 1898.

George J. Roskruge,
notary public
My commission expires Feb. 11, 1899.

(1)

SURVEY NO.1332.

Tack lode.

Beginning at Cor. No.1.

Identical with North center line of the location, & Cor. No.2 Sur. No.1335, Keystone lode, The Copper Queen Consolidated Mining Company, claimant, and with Cor. No. 4, Sur. No.1117, Irish Hag lode, Martin Costello, claimant.

A pine post in mound of stone, scribed 4-1117 P.L., 2-1335, and on which I scribe 1-1332, whence
^N
 U.S. N. 4, bears $N.52^{\circ}02' E.$ 244.5 ft.

U.E. cor. of the location bears $S.46^{\circ}40' E.$ 187.5 ft.
 A mound of stones, 3 ft. high.
 No other bearings available.

Thence $S.33^{\circ}40' E.$

Ascending Northerly slope of hill and on line 4-3.

-----, Sur. No.1117, Irish Hag lode.

51.5 To Cor. No.3.

Identical with Cor. No.4, Sur. No.1120, Prile lode, Martin Costello, claimant.

A pine post in mound of stone, scribed 4-1120 P.L., and on which I scribe 2-1332, whence

U.E. cor. of the location bears $S.54^{\circ}45' E.$ 87.5 ft.
 Hereinbefore described.
 No bearings available.

Thence $S.51^{\circ}W.$

Along hill side sloping West, and on line 4-5, Sur. No. 1120, Prile lode.

101.4 To Cor. No.3.

Identical with Cor. No.5, Sur. No.1120, Prile lode and with Cor. No.1., Sur. No.1336, Lucky Jack lode, The Copper Queen Consolidated Mining Company, claimant.

A pine post in mound of stone, scribed 5-1120 P.L., 1-1336 and on which I scribe 3-1332, whence

Face of open cut on this claim bears $N.37^{\circ}50' W.$ 20 ft.
 Face of open cut on Sur. No.1336 Lucky Jack lode, bears $N.38^{\circ}30' W.$ 184 ft.

No other bearings available.

Feet.	Thence S. $29^{\circ}43'W.$
	Along hill side sloping west and intersect Sur. No.1336 Lucky Jack lode.
730.	Intersect line 5-6, Sur. No.1336, Lucky Jack lode at S. $14^{\circ}18'E.$ 501. ft. from Cor. No.6. On N.W. side line Brown Bear lode (unsurveyed), Tom Higgins, claimant.
973.7	Gulch, 20 ft. wide, 12 ft. deep, course North.
1227.7	To Cor. No.4. Identical with S.E. Cor. of the location. A pine post, 3 ft. long, 4 ins. square, set 12 ins. in the ground, with mound of stone, scribed 4-1333, whence Cor. No.6, Sur. No.1121 Hope lode, Martin Costello, claimant, bears S. $28^{\circ}15'W.$ 29 ft. Shaft No.4 of this claim, bears N. $27^{\circ}30'W.$ 265 ft. No other bearings available.
	Thence N. $43^{\circ}40'W.$
	Ascending along hill side sloping North.
295.3	To Cor. No.5. Identical with S.Center Mon. of the location, and with Cor. No.1, Sur. No.1121, Hope lode. A pine post in mound of stone scribed I.M.-J-1121 H.E., and on which is scribe 5-1333, whence Shaft No.4 of this claim bears N. $54^{\circ}E.$ 95 ft. Shaft No.3 of this claim bears N. $47^{\circ}30'W.$ 192 ft. No other bearings available.
	Thence N. $42^{\circ}W.$
	Descending along hill side sloping North and on line 1-2 Sur. No.1121, Hope lode.
245.	Gulch, 20 ft. wide, 10 ft. deep, course N.W.
294.7	To Cor. No.6. Identical with S.W. Cor. of the location, and with Cor. No.2, Sur. No.1121, Wagner lode, Cor. No.2, Sur. No. 1121, Hope lode, Martin Costello, claimant, and with Cor. No.5, Sur. No.534, Silver Bear lode, The Copper Queen Consolidated Mining Company, claimant.

(3)

Feet.

A pine post in mound of stone, scribed 3-1121 N.L.,
3-1121 W.L., S.R. No.5, and on which I scribe 6-1332.
No bearings available.

Thence N. $47^{\circ} 15'$ E.

Along hill side sloping Easterly, and on line 5-6, Sur.
No.584, Silver Bear lode.

739.8 Cor. No.6, Sur. No.1336, Lucky Jack lode, and on line
6-7, Sur. No.1336, Lucky Jack lode.

757. Enter Gulch, 30 ft. wide, 12 ft. deep.

939. Leave gulch, and line runs over foot of hill, sloping
East.

1030.0 Cor. No.7, Sur. No.1336, Lucky Jack lode.

1373.8 To Cor. No.7.

Identical with U.T. Cor. of the location and with Cor.
No.8, Sur. No.1336, Keystone lode.

A pine post in mound of stone, scribed 3-1335, and on
which I scribe 7-1332, whence

West center Mon. Sur. No.1335, Keystone lode, bears
S. $45^{\circ} 40'$ E. 8 ft.

No other bearings available.

Thence S. $46^{\circ} 40'$ E.

Ascending over land sloping from East, and on line 3-3
Sur. No.1335, Keystone lode.

131.6 To Cor. No.1, the place of beginning.

Variation at all corners of the Tack lode, $11^{\circ} 40'$ E.

AREA.

Total area Tack lode ----- 12.06 Acres.

Less area in conflict with Sur. No.1336

Lucky Jack lode -----

3.68

4.30

"

net area of the Tack

7.28

"

8.38

"

LOCATION.

This claim is located in Warren Mining District,
Cochise County, Arizona, and will, when the Public Land
surveys are extended over this section of country be

embraced in Twp. 23 S., R. 24 E., and is bounded on the N.W. by Sur. No. 584. Silver Bear lode, on the N.E. by Sur. No. 1335, Keystone lode, The Copper Queen Consolidated Mining Company, claimant; on the N.E. by Sur. No. 1117, Irish Mag lode; on the East by Sur. No. 1120 Pride lode, Martin Costello, claimant, Sur. No. 1336 Lucky Jack lode, The Copper Queen Consolidated Mining Company, claimant, ~~K~~ by Brown Bear lode (unsurveyed) Tom Higgins, claimant.

The ledge of the Tack lode extends throughout the center of claim 1332. ft., running from the Discovery cut $N.43^{\circ} W.$ 195' ft. to Cor. No.1, and $S.42^{\circ} W.$ 1197 ft. to Cor. No.5.

Length of ledge embraced within lines of Sur. No. 1336 Lucky Jack lode, 573 ft.. not claimed.

Net length of ledge claimed on the Tack lode 314 ft., running from Discovery cut $N.43^{\circ} E.$ 195 ft. to Cor. No.1, and $S.42^{\circ} W.$ 19 ft. to intersection of line 1-7 Sur. No. 1336, Lucky Jack lode; and from intersection of ledge with line 5-6, Sur. No. 1336, Lucky Jack lode, running $S.42^{\circ} W.$ 366 ft. to Cor. No.5.

EXPENDITURE OF FIVE HUNDRED DOLLARS.

No.1, The discovery cut of the Tack lode, the face of which bears from Cor. No.3, $N.37^{\circ} 50' W.$ 20 ft., 5 ft. wide, 3 ft. face, running $S.21^{\circ} 30' E.$ 14 ft., from which a tunnel 6 x 4 ft. running $S.21^{\circ} 30' W.$ 17.5 ft. all in rock.

Value of cut and tunnel, \$270.

No.2. A tunnel, the mouth of which bears from Cor. No. 6, Sur. No. 1336, Lucky Jack lode, $S.5^{\circ} W.$ 190. ft. 6 x 4.5 ft., running $S.30^{\circ} W.$ 22 ft. in cement.

Value, \$100.

No.3. A shaft, which bears from Cor. No.4, $N.11^{\circ} 20' W.$ 333. ft. 6 x 5 ft., 9 ft. deep in rock.

Value, \$90.

No.4. A shaft, which bears from Cor. No.4, N. $37^{\circ}30'$ W.
295. ft. 5 x 4 ft. 11 ft. deep in rock.

Value, \$100.

INSTRUMENT.

This survey was made with a Gurley Light Mountain Transit. The courses were deflected from the true meridian as determined by direct solar observations.

The distances were measured with a 100-ft. steel tape.

NOTE: Found a discrepancy in prior survey No.1131, Hope lode of 5.9 ft. the distance between Cor. No.1 and No.2 Hope lode. Correct measurement is 294.7 ft. in place of 300 ft.

I carefully proved my work and found my measurements were correct.

Tucson, Arizona.

January 10th, 1892.

George J. Roskruge
U.S. Dep. Min. L. Surv.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by George J. Roskruege, United States Deputy Mineral Surveyor, to assist in running, measuring, and marking the lines corners and boundaries described in the foregoing field notes of the survey of the mining claim of The Copper Queen Consolidated Mining Co., Ben Williams, Agent. known as the TACK lode and showing the respective capacities in which they acted.

Charles James, *Chairman*.

James D. Blair, *Chairman*.

C. L. Beckwith, *Axman*.

Charles James, *Flagman*.

FINAL OATHS OF ASSISTANTS.

We, Charles James, James D. Blair,

and C. L. Beckwith, do solemnly swear that we assisted George J. Roskruege, United States Deputy Mineral Surveyor, in marking the corners and surveying the boundaries of the mining claim of The Copper Queen Consolidated Mining Co.,

known as the TACK lode.

represented in the foregoing field notes as having been surveyed by said deputy mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor-General for Arizona.

Charles James, *Chairman*.

James D. Blair, *Axman*.
C. L. Beckwith, *Flagman*.

Subscribed and sworn to by the above-named persons before me
this 9th day of January, 1899

George J. Roskruege
Notary Public.

My commission expires February 11th, 1899.

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, George J. Roskruege, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated December 9th, 1893, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of The Comer Queen Consolidated Mining Co., Ben Williams, Agent, known as the TACK lode, situate in Warren Mining District, Cochise County, Arizona, in Section 23 S., Township No. 24 E. (unsurveyed), and designated as Survey No. 1232, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Surveyor General with said instructions, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

George J. Roskruege
U.S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said George J. Roskruege,

U. S. Deputy Mineral Surveyor, before me S. K. Williams, A Notary Public in and for Cochise County, Arizona Territory this 9th day of January A. D., 1899.

S. K. Williams
Notary Public
(My Commission expires December 15th, 1901.)

Affidavit of Five Hundred Dollars Improvements.

We..... C. L. Beckwith..... and..... Charles James.....

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the..... TACK lode..... mining claim, situated in Warren..... Mining district,..... Cochise..... County, Arizona Territory, for which..... The Copper Queen Consolidated Mining Co., Ben Williams, Agent.

have made application for survey prior to application for patent under the provisions of the Act of Congress, approved May 10, 1872; and that the labor done and improvements made thereon by the applicant..... and its grantor..... exceed Five Hundred Dollars in value, and further that we are not personally interested in said mine.

C. L. Beckwith

Charles James

TERRITORY OF ARIZONA, }
County of..... Cochise..... } ss.

SWORN to and subscribed before me, this

9th., day of January 1899.

S. K. Williams

Notary Public.

(My Commission expires December 15th, 1901.)

Location Notice.

Notice is hereby given, that the undersigned, in compliance with the requirements of the Mining Act of Congress, approved May 10th, 1872, I have this day located and claim about fifteen hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and about three hundred and eighteen feet in width on each side of the middle of said lead, lode or vein, situated in the Warren Mining District, County of Cochise, Territory of Arizona, and more particularly described as follows, to-wit: Commencing at this monument of stones, being the centre of the North end line of claim, and upon which this notice is posted, thence Westerly about 159 feet to a monument of stones; thence Southwesterly about 1500 feet to a monument of stones; thence Easterly about 300 feet to a monument of stones; being the center of the Southwesterly end of claim; thence Easterly about 300 feet to a monument of stones; thence Northerly about 1500 feet to a monument of stones; thence Westerly about 159 feet to the place of beginning. This claim is known as the "Tack Mine" and lies parallel with and adjoins the Easterly side line of the Silver Bear Mine, and also adjoins the Keystone Mine on the Northerly end line of this Tack Mine and shall be known as the Tack Mine. Located November 29th 1888.

Mary Tack.

Filed and Recorded at the Request of George Atkins
Dec 29th A.D. 1888 at 12, 30 P.M.

W. F. Bradley, County Recorder.

Territory of Arizona,) ss.
County of Cochise.) ss.

J. M. J. Brown, County Recorder in and for the County of



Cochise, Territory of Arizona, do hereby certify that the above
and foregoing instrument is a full, true and correct copy
of the location notice of the "Tack" mine, as appears of
record in Book, 11, Record of Mines, page 576, of the
Records of Cochise County, Arizona, now in my office.
Witness my hand and Official Seal, this 26th day
of September, A.D. 1898.

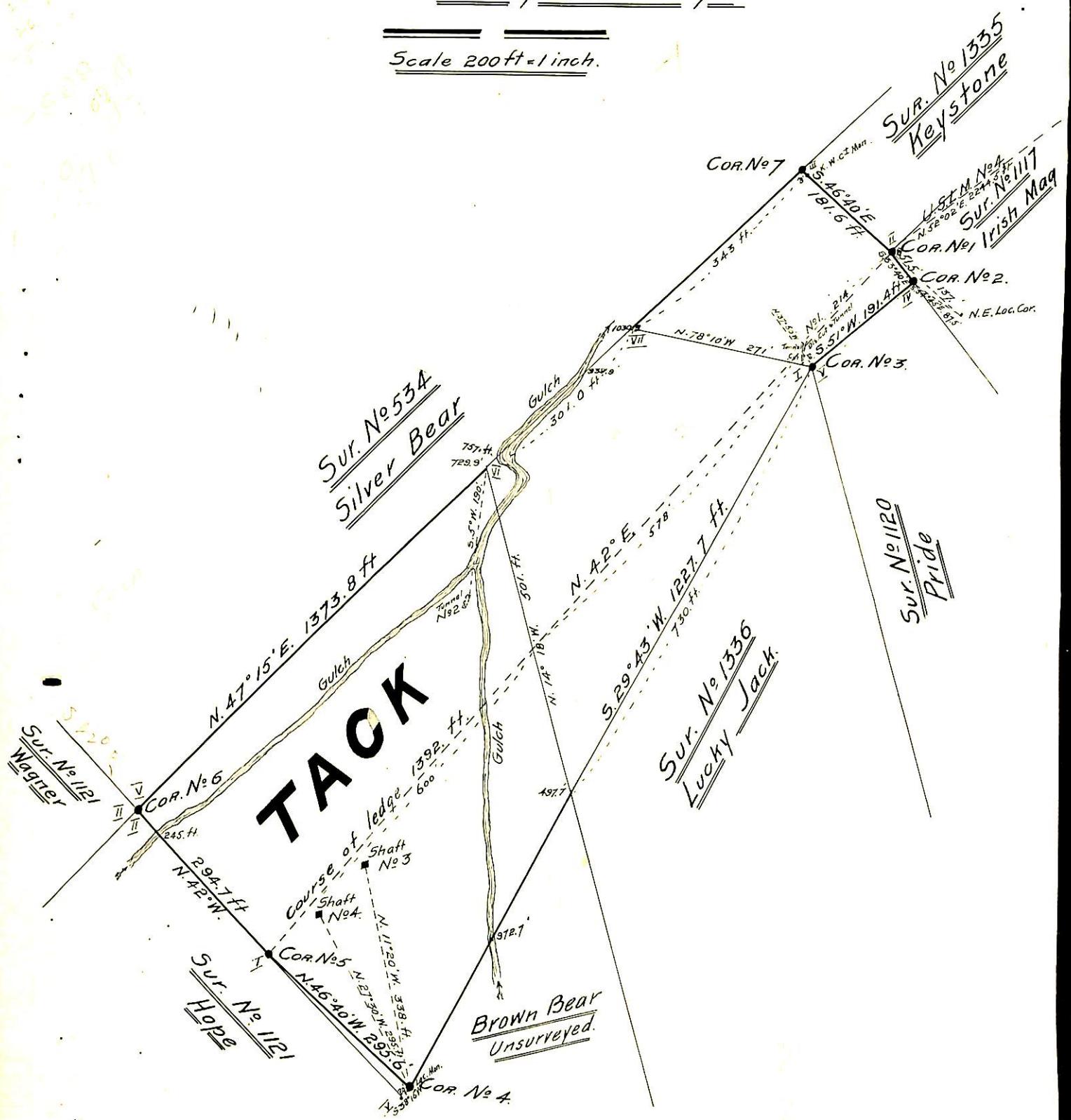
M. J. Brown
County Recorder,
Cochise Co. Arizona.

SURVEY N°/332

Gila Land District
Surveyed December 31, 1898.

by George J. Hoskruge
U.S. Dep. Min. Surveyor.

Scale 200 ft = 1 inch.



(4-687.)

Surveyor General's Certificate of Approval of Field Notes and Survey of Mining Claim.

Department of the Interior,

Office of U. S. Surveyor General,

Tucson, Arizona.

August 16, 1899.

I, U. S. Surveyor General for District of Arizona,
do hereby certify that the foregoing and hereto attached Field Notes and Return of the
Survey of the Mining Claim of The Copper Queen Con-
solidated Mining Co., Ben Williams, agent,
known as the

Jack Lode,

situate in Warren mining district,

Cochise County, Arizona.

in Section 1, Township No. 23 S., Range No. 24 E. (unsurveyed.)

designated as Survey No. 1332.

executed by George J. Roskruge, U. S. Deputy Mineral
Surveyor, Dec 31st, 1898, under my instructions dated

Dec. 9th, 1898, have been critically examined and the
necessary corrections and explanations made, and the said Field Notes and Return, and

the Survey they describe, are hereby approved. A true copy of the copy of the location
certificate filed by the applicant for survey is included in the field notes.

George Christ

U. S. Surveyor General for Arizona.