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(4-683.)

Mineral Survey No. 1026.

Lot No. 48.

Gila

Land District.

FIELD NOTES

OF THE ^{RE} SURVEY OF THE MINING CLAIM OF

Richard Cousten

" Hardscrabble Mine"

KNOWN AS THE

Warren

Mining District,

Cochise

County, Arizona

~~Section~~ ~~Township~~ ~~Range~~

Surveyed under instructions dated September 3, 1891.

by H. G. Howe

U. S. Deputy Mineral Surveyor.

Claim located March 31, 1880
Amended Location June 9, 1881.
Survey commenced December 19th, 1891
Survey completed December 19th, 1891.

o 6-100

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, R. J. McLean and J. A. McLean, 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 us, in the survey of the Mining Claim of Richard Coulter,

known as the Hard Scrabble Mine, situate in Warren mining district, Cochise County, Arizona, in Section _____, Township No. _____, Range No. _____.

R. J. McLean, Chainman.
J. A. McLean, Chainman.

Subscribed and sworn to by the above-named persons before me this 30th day of November, 1891.

H. C. Parris
Notary Public

I, _____, 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 _____

known as the _____, more fully described in the preceding affidavit.

_____, Axeman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 18 _____.

I, _____, 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 _____

known as the _____, more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 18 _____.

Field Notes.
of the Re-Survey of the

Hard scrabble Mine ^{M.C.} Lot Tro. 48. in the
Warren Mining District, Cochise
County, Arizona Territory.

Claimed by
Richard Coulter.

Surveyed by A. G. Howe U. S.
Deputy Mineral Surveyor under
instructions from the Surveyor
General of date September 3rd
1891.

Note This claim was originally surveyed
June 19th 1881, and Survey approved
July 27th 1881, and was designated
as lot Tro 48.

Survey commenced Dec 19th 1891.
Survey completed Dec 19th 1891.

Description of Survey

Feet. Beginning at the initial mon,
situated at the South easterly end
center of claim, a 4 in Post in mon.
no marks on Post, where I set Post
3ft. long 4 in. sq., 6 in. in ground
and surround by monument of
stone and earth 4 1/2 ft. at base and
3ft. high.

Post marked I.M. HADBLE M. No. 1.

thence 563° 23' W

or 11° 40' East,

278. To the S.W. cor. of claim a 4 in Post
in mon. and find piece of shale
tacked to Post marked S.W. cor. Hadbe Mine
where I set Post 3ft. long 4 in sq. and

Feet. Surround by monument of stone
4ft. at base and 3ft. high.
Post marked H.S. M. No. 2.

Thence $N 14^{\circ} 09' W$
 $N 07 11^{\circ} 40' East$

1206.5 To the N.W. cor. of claim a 4 in Post in mon.
Post not marked. where I set Post 5ft. long
4 in. sq. and surround by mon-
ument of stone. 4ft. at base and 3ft. high.
Post marked H.S. M. No. 3.

Thence $N 63^{\circ} 23' E$
 $N 07 11^{\circ} 40' East.$

300. To the North westerly center end of claim
a 4 in. Post with thin shake tacked to it
just make out Hard. scorable M.C. N. cen.
where I set Post 5ft. long. 4 in. sq. and
surround by a monument of stone
4ft. at base and 3ft. high.

Post marked H.S. M. No. 4.
From which U.S. M. M. No. 4 bears $N 98^{\circ} 09' W$
3290. ft.
The S.W. cor. Gardner M.C. Lot No. 72. -
bears $N 56^{\circ} 42' W$ 2047.5 ft.
The S.E. center New York M.C. bears
 $N 8^{\circ} 15' E$.

Thence $N 63^{\circ} 23' E$.
 $N 07 11^{\circ} 40' East.$

233. To the N.E. cor. of claim a 4 in Post in mon.
where I set Post 5ft. long 4 in. sq. in
monument of stone 4 1/2 ft. at base and
3ft. high.

Post marked H.S. M. No. 5.
Thence $S 13^{\circ} 5' E$
 $N 07 11^{\circ} 40' East.$

1211.7 To the S.E. cor. of claim a 4 in Post in
mon. where I set Post 5ft. long 4 in
sq. and surround by monument
of stone 4 1/2 ft. at base and 3ft. high.
Post marked H.S. M. No. 6.

Thence $S 63^{\circ} 28' W$.
 $N 07 11^{\circ} 40' East.$

Feet.
232,

To Post I.M. H D B L E M. No. 1. and place of beginning Survey of exterior lines.

Area.

Total Area of claim 14,103 Acres.

Location

This claim is located in the Warren Mining District Cochise County Arizona Territory about 1/2 a mile South of what was known as Iron Spring, and about 1 mile South, South East of the Copper Queen Con. Mining Co's Smelter at Bisbee, and about 500ft. S.W. of the Track of the A & S. E. R.R. and was designated in the Survey of 1881 as lot No. 48.

Improvements

Made upon this claim by claimant or his grantors, consist of A Shaft, 4x6 ft. 8 ft. deep. N 21° 25' W 480 ft. from Post I.M. H D B L E M. No. 1. A shaft, 4x6 ft. 10 ft. deep. 38° 48' E 530 ft. and A shaft, 4x6 ft. 10 ft. deep. 58° 48' E 183 ft. and A shaft, 4x6 ft. 25 ft. deep 542° 48' E 163 ft. and A shaft, 5x7 ft. 10 ft. deep. 562° 0' W 80 ft. from Post. H.S.M. No. 4.

And I hereby certify that the value of said improvements exceeds the sum of five hundred dollars.

There have been no improvements made by other parties on this claim.

Instruments used a young & Sons improved Solar transit and steel tape bar and courses taken by solar apparatus checked by triangulation to other official surveys.

Note. All the Posts set around this claim by me have the letters cut in with a

✓ Marking Iron.

I connect this claim with U.S. M.M. No. 4. as the U.S. M.M. No. 2. with which this claim was connected as described in the amended location made June 9th 1881 was destroyed by flood in 1890.

In this official Survey I find the end lines to bear $S 63^{\circ} 23' N$ and $N 63^{\circ} 23' E$. The amended location Notice gives the same lines $S 66^{\circ} 24' N$ and $N 66^{\circ} 24' E$ and the official Survey made by the same Surveyor ten days later gives the same lines at $N 64^{\circ} 40' E$ and $S 64^{\circ} 40' N$.

I find the westerly side line bears $N 14^{\circ} 09' N$. the amended location gives this line $N 11^{\circ} 16' N$. and the official Survey ten days later gives $N 13^{\circ} 40' N$.

I find the easterly side line bears $S 13^{\circ} 05' E$. and the amended location gives this line $S 10^{\circ} 06' E$ and the official Survey ten days later gives $S 12^{\circ} 20' E$.

The measurements I find nearly correct.

I cannot account for the differences as above described only in this way. That the Transit used was very badly out of adjustment, and not a Solar.

H. G. Howe U.S. Deputy
Mineral Surveyor.

Tombstone Arizona
April 5th 1892.

Affidavit of Five Hundred Dollars Improvements.

We, R. J. McLean and J. A. McLean
of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the
Hard scrabble mine mining claim, situated in
Warren Mining District, Cochise County,
Arizona Territory, for which Richard Coulter

has 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 his grantors exceed Five Hundred Dollars in value, and further that we are not
personally interested in said mine.

R. J. McLean
John A. McLean

TERRITORY OF ARIZONA,
County of Cochise } ss.

SWORN to and subscribed before me, this 19th day
of December 1891.

A. C. Penin
Notary Public



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by A. G. Howe
 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 Richard Coulter
 known as the Hard scrabble Mine
 and showing the respective capacities in which they acted.

R. J. McLean....., Chainman.
J. A. McLean....., Chainman.
 , Axman.
 , Flagman.

FINAL OATHS OF ASSISTANTS.

We, R. J. McLean and J. A. McLean
 and _____, do solemnly swear that we assisted
A. G. Howe, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of _____
Hard scrabble Mine.
Richard Coulter....., known as the
Hard scrabble mine....., 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.....

Robt J McLean....., Chainman.
John A McLean....., Chainman.
 , Axman .
 , Flagman.

Subscribed and sworn to by the above-named persons before me
 this 19th day of December, 18 91.

A. C. Davis
 Notary Public



FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, A. G. Howe, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated September 30th, 1891, 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 Richard Coulter, known as the Hard-Scrabble mine, situate in Cochise Warren Mining District, Cochise County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 1026 lot No 48, 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 his 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.

A. G. Howe
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said A. G. Howe,
U. S. Deputy Mineral Surveyor, before me S. C. Penin
a Notary Public this Thirtieth
day of December, 1891.

S. C. Penin
Notary Public



Handscrabble Mine,

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10th 1872 have this day located and claim 1500 linear feet along the course of this lead lode or vein of mineral bearing quartz and 300 feet on each side of the middle of said lead lode or vein, situate in the Warren Mining District, County of Pima, Arizona, and more particularly described as follows to-wit:

Commencing at this monument of stones being 180 feet of the South west of the North west corner of claim and upon which this notice is posted thence 4,20 feet South west to monument of stones, and stake, thence South East 1500 feet to a monument of stones and stake, thence North East 4,20 feet to a monument of stones and stake being 180 feet of the South Centre of claim, thence North East 180 feet to a monument of stones and stake, thence North West 1500 feet to a monument of stones and stake, thence South East 180 feet to place of beginning.

This claim is an extension of the Empire Mining Claim, situated about $\frac{1}{4}$ of a mile South from the Iron Spring

The Baton Rouge mine joins on the ¹¹ N.W. side, the Milwaukee joins and runs parallel on the South East side, and shall be known as the Hardscrabble Mine, located already March 31 st, 1880, The present being only a Supplementary location made by the grantors and successors in interest of the original locators, the present supplementary location being only made to correct the record,

Witness }
J.J. Browne }

Henry Campbell 750 ft.
Moye Wicks 350 ft
James Oats 187 1/2 ft
W. B. Horton 187 1/2 ft.

Notice is hereby given by the undersigned the owner of the above described claim by purchase that for the purpose of fully complying with the law contained in Section 2324 Revised Statutes of the United States regarding the location and recording of mining claims, and to correct error in description the above and foregoing description notice of location is hereby amended to read as follows,

Commencing at U.S. Mineral Monument No 2, (called the the Iron Spring, established by John P. Culver, U.S. Deputy Mineral Surveyor June 15th 1881, and situated in Warren Mining District Cochise County,

Arizona, said monument having been officially established agreeable to instructions issued by John Wasson U.S. Surveyor General, dated May 21st 1881 } Magnetic Variation $13^{\circ} 24' E$, thence S. $34^{\circ} 56' E$ 587 feet, thence S. $23^{\circ} 06'$ 1306 feet to the North Westerly corner of the Hardscrabble mine, thence N $66^{\circ} 24' E$ 300 feet to the northerly centre end of said claim, thence same course 233 feet to the North easterly corner of claim, thence S $10^{\circ} 06' E$ 1210 feet to the S.E. corner of claim, thence S $66^{\circ} 24' W$, 233 feet to Southerly end centre of claim, thence same course 278 feet to S.W. corner of claim, thence North $11^{\circ} 16'$ West 1206.9 feet to the N.W. corner of claim the point or place of beginning,
 June 9th 1881, G. Stoy

Recorded at request of J. P. Culver June 14, 1881 8 A.M.
 A. T. Jones, County Recorder,

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

I, W. F. Bradley, County Recorder in and for the County of Cochise, do hereby certify that the above and foregoing is a full, true and correct copy of an Amended location notice of the Hardscrabble M.C. Warren My Dist. as appears of record now in my office in Book 2, Page 180 Record of Mines,

In witness whereof, I have hereunto set my hand and affixed my official seal, at my office, in Tombstone, this 5th day of April, A. D. 1892

W. F. Bradley
 County Recorder.

Hardscrabble Mine.

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress Approved May 10th 1873, have this day located and claim 1500 hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz and 200 feet on each side of the middle of said lead lode or vein, situate in the Warren Mining District, County of Pima, County Arizona, and more particularly described as follows, to wit:

Commencing at this monument of stones being 180 ft. of the South West of the North West corner of claim, and upon which this notice is posted, thence 420 South west to monument of stones and stake, thence South East 1500 feet to a monument of stones and stake, thence North East 420 feet to a monument of stones and stake, being 180 feet of the South center cor. of claim, thence North east 180 feet to a monument of stones and stake, thence North west 1500 feet to a monument of stones and stake, thence South-west 180 feet to place of beginning, This Claim is an extension of the "Empire" Mining claim, situated about $\frac{1}{4}$ of a mile

South from the Iron Spring, the Baton Rouge
 mine joins on the N.W. side and the Milwaukee
 joins and runs parallel on the South East
 side, And shall be known as the Hardscrabble
 mine, Located already March 31, 1880, the
 present being only a supplementary location
 made by the Grantors and Successors in interest
 of the Original Locators, the present supplemental
 location being only made to correct the
 record.

Witness
 J. J. Brown,

Henry Campbell 750 ft.
 James W. Oates 187 1/2 ft.
 Moyer Wicks 350 ft.
 W. B. Horton 187 1/2 ft.

Filed and recorded at request of
 Ben Goodrich Nov. 27th A.D. 1880 at 10:30 a.m.
 S. W. Carpenter,
 County Recorder.

TERRITORY OF ARIZONA, }
 County of Cochise } ss.

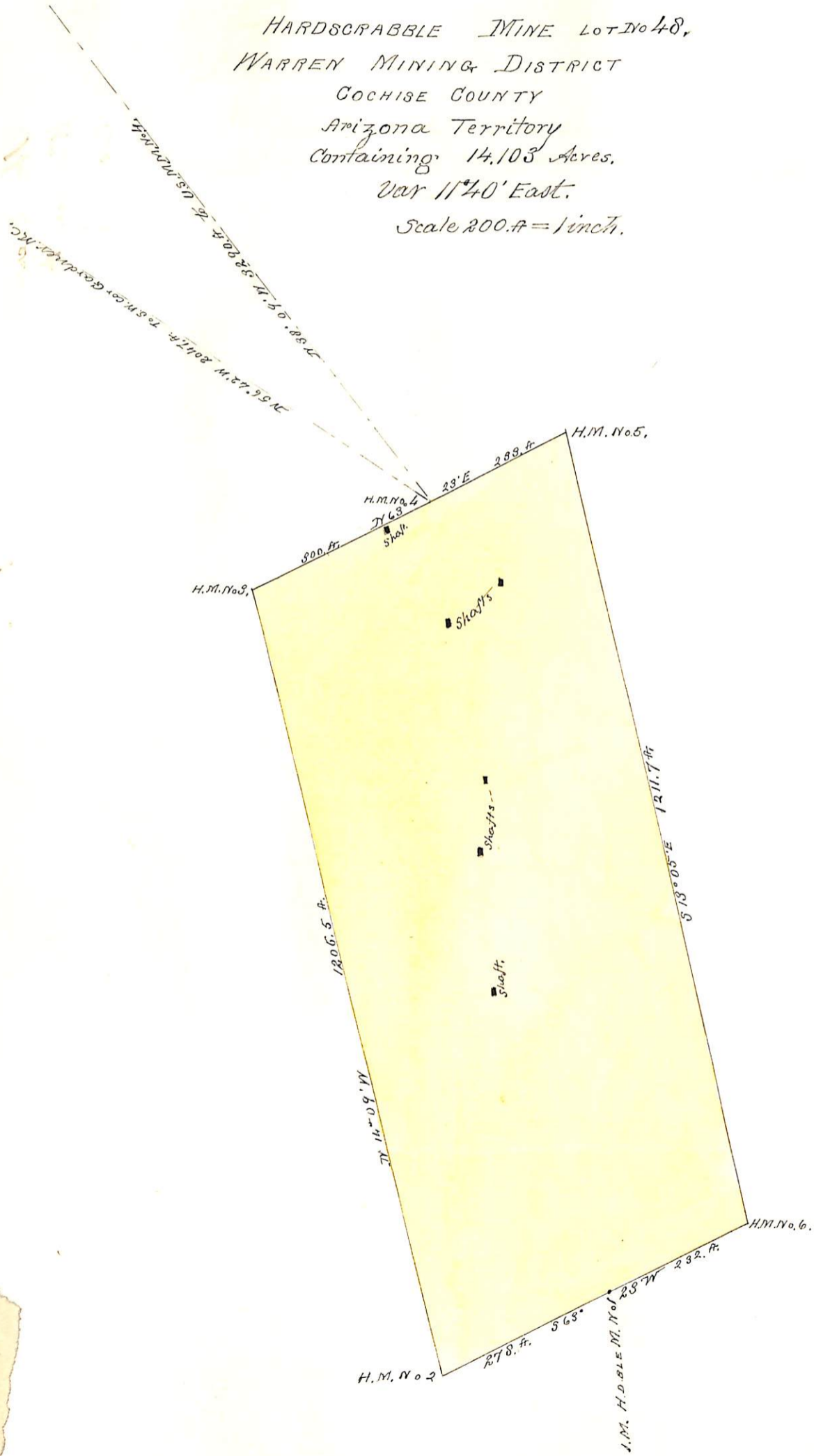
I, W. F. Bradley, County Recorder in and for the County of Cochise, do
 hereby certify that the above and foregoing is a full, true and correct copy of The
Location Notice of the Hardscrabble Mine, Warren Mining District
as appears of record now in my office in Book....., Page 560 Trans Records
of mines,

In witness whereof, I have hereunto set my hand and affixed
 my official seal, at my office, in Tombstone, this
 21st day of August, A. D. 1891
 W. F. Bradley,
 County Recorder.



PLAT
of the

HARDSCRABBLE MINE Lot No 48,
WARREN MINING DISTRICT
COCHISE COUNTY
Arizona Territory
Containing 14.103 Acres.
Var 11°40' East.
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

May 6th 1892.

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

Richard Coulter

known as the

"Hardscrabble Mine"

situate in

Warren

mining district,

Cochise County, *Arizona*

in Section _____, Township No. _____, Range No. _____

and _____, designated as Survey No. *1026. Lot No 48*

executed by *H. G. Howe*, U. S. Deputy Mineral

Surveyor, *December 19th 1891*, under my instructions dated

September 3rd 1891, 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.

Daniel Johnson
U. S. Surveyor General for *Arizona*