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(4-683.)

Mineral Survey No. 973.

Lot No. 78.

Gila

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

D. Willis James and H. E. Dodge

KNOWN AS THE

Hayes

Martin

Mining District,

Cochise

County,

Arizona

Section

Township

Range

Surveyed under instructions dated May 23rd, 1891,

by

H. G. Horre

U. S. Deputy Mineral Surveyor.

Claim located December 2nd, 1877.

Survey commenced July 8th, 1891.

Survey completed July 16th, 1891.

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PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, S. B. Whittam and _____,
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 D. Willis James and W. E. Dodge, known as the "Hayes" Mine, situate in the Warren mining district, Cochise County, Arizona, in Section _____, Township No. _____, Range No. _____.

S. B. Whittam, Chainman.
_____, Chainman.

Subscribed and sworn to by the above-named persons before me this 8th day of July, 1891.

S. C. Penin
Notary Public

I, George Douglass, 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 D. Willis James and W. E. Dodge, known as the Hayes Mine, more fully described in the preceding affidavit.

George Douglass, Axeman.

Subscribed and sworn to by the said George Douglass before me this 8th day of July, 1891.

S. C. Penin
Notary Public

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 Survey of the
Hayes Mine Mining Claim in
the Warren Mining District Cochise
County Arizona Territory.

Claimed by
D. Willis James and W. E. Dodge.

Surveyed by
A. G. Howe, U.S. Deputy Mineral
Surveyor under instructions from
the Surveyor General of date May
23rd 1891.

Survey commenced July 8th 1891.
Survey completed July 16th 1891.

Description of Survey.

Feet. Beginning at the Initial monument
mentioned in location notice situat-
ed at the northerly center end of
claim, which point is also the
southerly center end of the Baxter
M.C. lot No 52. a 4x4 in Post in mon.
of stone, where I set Post $4\frac{1}{2}$ ft. long 4 in.
square, and rebuild monument
around them $4\frac{1}{2}$ ft. at base and 3 ft.
high. Old Post marked ^{after} B.M.C. No 4. The New
Post marked I.M. HAYES MINE M.C. No 1.

Thence N $80^{\circ} 48'$ E

Dist $11^{\circ} 40'$ East.

65. Wash drains North easterly.

297.5 To the N.E. cor. of claim which is also
the S.E. cor. Baxter M.C. lot No 52. a 4 in
Post. ^{after} B.M.C. No. 3. also a cor. of the Best
Price M.C. lot No. 67. and 4 in Post marked
B.P.M.C. No. 5. where I set Post $4\frac{1}{2}$ ft. long
4 in. sq. and rebuild monument
around them $4\frac{1}{2}$ ft. at base and 3 ft.
high.

Feet: Post marked H.M.M.C. No 2.

Thence $S 25^{\circ} 08' W$

Var $11^{\circ} 40'$ East.

331. Intersect westerly end line Neptune Mine, $N 48^{\circ} 27' E$ 165. ft. from S.W. cor.

506.68 A 4x4 in Post in mon. of stone Post marked S.S. M.C. No. 3. being the N.W. cor Silver Spray M.C. Lot No 71. which point is also on southerly side line Neptune Mine. The S.W. cor. Neptune Mine ^{Mine Post marked N.W. M.C. No 3} bears $N 46^{\circ} 40' W$ 68.7 ft

Post S.S. M.C. No 3. stands in wash drains easterly from which Iron Pin at N.W. center bears. $S 47^{\circ} 46' W$ 285.5 ft.

798.34 A 4x4 in Post in mon. Post marked S.S. M.C. No 4. W.C. being witness cor. to westerly center Silver Spray M.C. Lot No 71.

1018.34 To the S.E. cor of claim a 2x4 in stake in mon of stone. where I set Post 4 1/2 ft. long 4 in sgr. and surround by a monument 4 1/2 ft. at base and 3 ft high. Post marked H.M.M.C. No. 3. From which U.S. M.M. No 4. bears. $N 82^{\circ} 32' E$ 1969.6 ft.

Thence $S 80^{\circ} 48' W$

Var $11^{\circ} 40'$ East.

33. Intersect westerly end line Silver Spray M.C. Lot No 71. $S 7^{\circ} 47' W$ 279.9 ft from Iron pin at westerly center end mon. and $N 7^{\circ} 47' E$ 69. ft. from Post S.S. M.C. No 5.

295.50 To a 2x4 in ^{Stake in} mon. of stone the southerly center end of claim. where I set Post 4 1/2 ft. long 4 in. sgr. and surround by a monument of stone 4 1/2 ft at base and 3 ft. high.

Post marked H.M.M.C. No 4.

566.50 To the S.W. cor. of claim a 2x4 in stake in mon of stone. where I set Post 4 1/2 ft. long 4 in. sgr. and surround by a monument of stone 4 1/2 ft. at base and 3 ft high.

Feet. Post marked H.M.M.C. No 5.
Thence $N 25^{\circ} 0' E$
Cor $11^{\circ} 40' East.$

660. Ravine drains easterly.
919.94 Intersect southerly end line East Side
M.C. Lot No 68. $S 70^{\circ} 0' W$ 4 ft. from Post E.S.M.C.
No. 2.

928.3 Intersect easterly side line East Side
M.C. Lot No 68. $N 1^{\circ} 39' W$ 6.2 ft from Post.
E.S.M.C. No 2.

1016.84 To the N.W. cor. of claim a 2x4 in stake
in mon. by side of 4 in Post. Baxter M.C.
No 5. being the S.W. cor. Baxter M.C. Lot No 52.
Where I set Post $4\frac{1}{2}$ ft. long, 4 in. sq. r.
and rebuild monument around
them $4\frac{1}{2}$ ft at base and 3 ft. high.
Post marked H.M.M.C No. 6.

Thence $N 80^{\circ} 48' E.$
Cor $11^{\circ} 40' East.$

271.8 To Post. I.M. Hayes Mine M.C. No 1. and
place of beginning survey of exterior
lines

Area:

Total Area of Claim	10.98 ⁶ acres.
Less conflicts not claimed with the Silver Spray M.C. Lot No 71, of	.73 ⁴ acres.
The conflict with the Neptune Mine is claimed.	.126 acres
Net area	10.25 ² acres.

Location.

This claim is situated in the
Warren Mining District, Cochise
County, Arizona, about $\frac{1}{2}$ a mile
south of the Copper Queen Smelters.
And is bounded upon the north
by the Baxter M.C. Lot No 52. upon
the east by the Lookout, Neptune,
and Silver Spray M.C. Lot No. 71.

with which it conflicts, and upon
the West by the Surprise^{Mine} and East
Side^{Mine} M.C. Lot No. 68.

Improvements.

Made upon this claim by claim-
ants or grantors consist of a
Double compartment Shaft, timbered
over 125 ft. deep, with over 1200 ft of
levels from same.

531° 0' E 118 ft. from I.M. - Post Tral.

A Shaft 4x6 ft. 30 ft. deep.

528° 10' W 210 ft. from I.M. Post Tral.

A Shaft 4x6 ft. 10 ft. deep.

540° 30' W 310 ft. from I.M. Post. Tral.

A cut 4x6 ft. 5 ft. deep.

52° 25' W 200 ft. from I.M. Post Tral.

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's im-
proved Solar Transit and Steel Tape.
var² courses taken by use of
Solar apparatus.

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

Bisbee Sept 24th/91

Note: 1st

The Official notes of the South end
line of Baxter M.C. Lot No 52. gives
this line 58° 39' W. and a distance

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of 572 ft. I find by careful observation checked from deflected angles the bearing to be $580^{\circ}48'W$. and the distance to be 569.3 ft. from Post No 3 to Post No 5 of the Baxter M.C.

Note 2nd

The East side line of the East Side M.C. from Post E.S. M.C. No 2 to Post E.S. M.C. No 3. $N 1^{\circ}39'W$. The official Survey gives this same line $N 1^{\circ}35'E$ which was a clerical error in putting an E for a W.

Note. In the Official Survey of the Hayes^{Mine} M.C. I found that the Southerly end line was not parallel with the northerly end line and the easterly side line was farther east, which changed the bearing of the south end line of the Hayes Mine M.C. from $581^{\circ}30'W$ to $580^{\circ}48'W$. and the easterly side line from $525^{\circ}32'W$ to $525^{\circ}08'W$. and the intersection with the end line of Hayes Mine M.C. end line from H.M.M.C. No. 3. at 33 ft instead of 24 ft as given in Official Notes of Silver Spray. The distance from intersection end line Silver Spray to Iron pin is 279.9 ft instead of 281. and total length of line from Iron Pin to Post S.S. M.C. No 5 is 348.9 ft while the official notes of Silver Spray gives the distance 351.

Note. The area in conflict with the Silver Spray was claimed by them but now belongs to other parties

The Hayes mine is not bounded upon the south by the Homestake M.C. there is nothing to indicate what it is bounded by upon the ground

Hayes Mine, Notice of Location.

Notice is hereby given that in pursuance of an Act of Congress dated May 10th 1872 We the undersigned has this day located and claimed fifteen <1500> linear feet on this vein or lode of mineral bearing ore, and three <300> hundred feet in width on each side thereof, located in the Warren Mining - in the County of Pima Territory of Arizona and more particularly described as follows to wit:

Commencing at a monument of stones on the ledge on the North end of claim, which bears South from surface line of the Warren Mine, fifteen hundred feet to another monument of stones marking our Southern boundary, situated in Mule Mountains, Mule Pass, and one half mile South West of a Spring known as Iron Springs and one mile East from a fresh water Spring and Stone House in same Green to the place of beginning. This Claim shall be known as the Hayes Mine, And this notice being posted at North end of claim

Witness

George Warren, Henry Jones }

Joseph Herring.
Richard Towner.
Patrick Dyer.

Dated December 2nd 1877.

Filed and recorded at request of
G.W. Hamor December 10th AD 1877 at
10 o'clock A.M.

Sidney 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 Hayes Mine Warren District
as appears of record now in my office in Book 1 , Page 146 of Mines,
Trans Records In witness whereof, I have hereunto set my hand and affixed

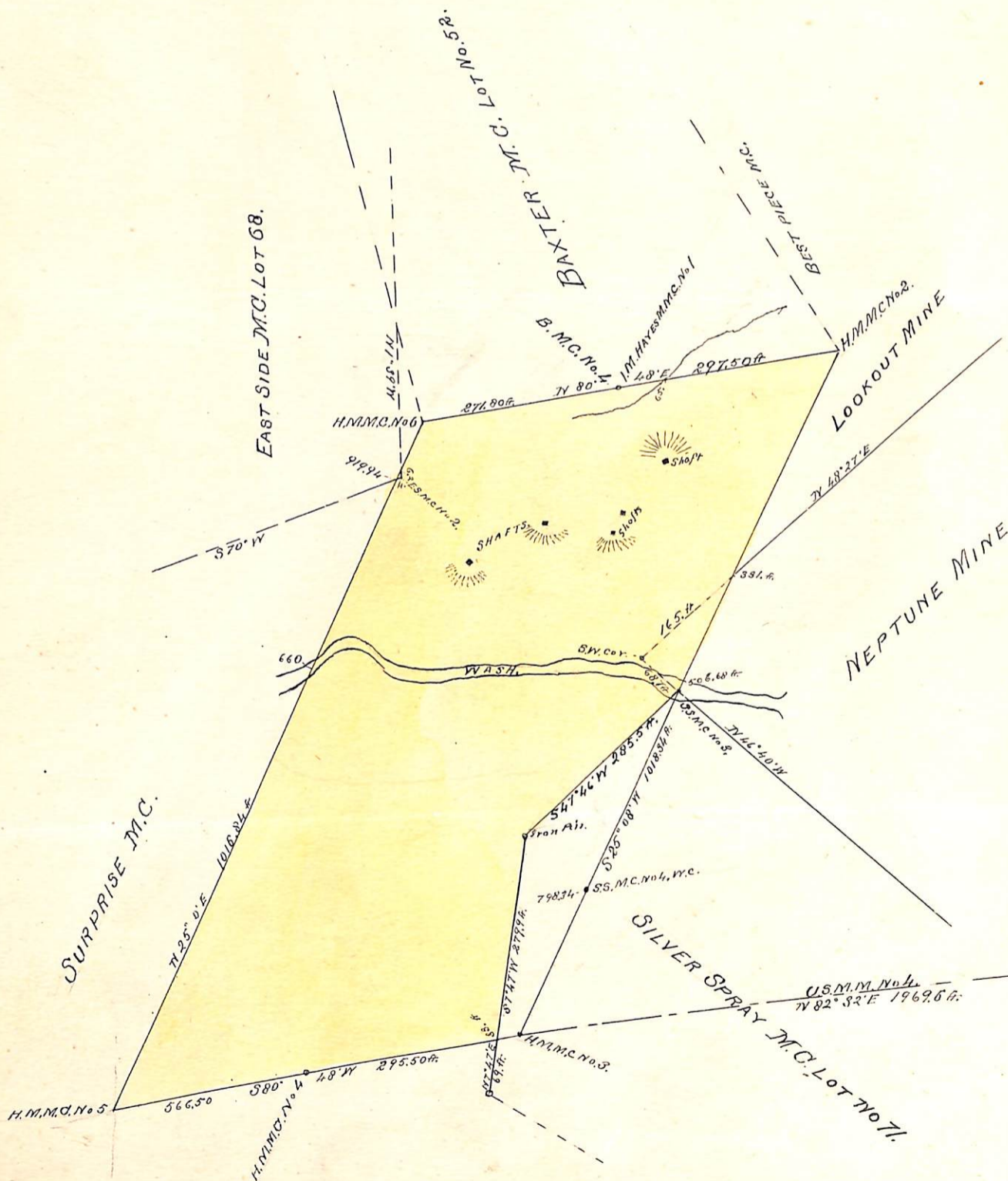
my official seal, at my office, in Tombstone, this
20 day of September, A. D. 1890
W. F. Bradley,
County Recorder.

OK
Hayes Mine,

PLAT
of the
HAYES MINE MINING CLAIM
WARREN MINING DISTRICT,
COCHISE COUNTY, ARIZONA.

Containing 10.25 Acres.

UAX 11" = 10' East.
Scale 200ft = 1 inch.



Affidavit of Five Hundred Dollars Improvements.

We, S. B. Whittum and George Douglas

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the

Hayes Mine mining claim, situated in Warren Mining District, Cochise County,

Arizona Territory, for which D. Willis James and W. E. Dodge

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

S. B. Whittum

George Douglas

TERRITORY OF ARIZONA,
County of Cochise } ss.

SWORN to and subscribed before me, this 22nd day of July 1891

S. C. Pinn
Notary Public



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by H. C. 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 D. Willis James and W. E. Dodge
 known as the Hayes^{Mine} Mining Claim
 and showing the respective capacities in which they acted.

S. B. Whittum, Chairman.
 _____, Chairman.
George Douglas, Axman.
 _____, Flagman.

FINAL OATHS OF ASSISTANTS.

We, S. B. Whittum
 and George Douglas, do solemnly swear that we assisted H. C.
Howe, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of _____

D. Willis James and W. E. Dodge
 _____, known as the _____
Hayes^{Mine} Mining Claim, 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

S. B. Whittum, Chairman.
 _____, Chairman.
George Douglas, Axman.
 _____, Flagman.

Subscribed and sworn to by the above-named persons before me
 this 22nd day of July, 18 91.

S. C. Perrine
Notary Public



(4-686.)

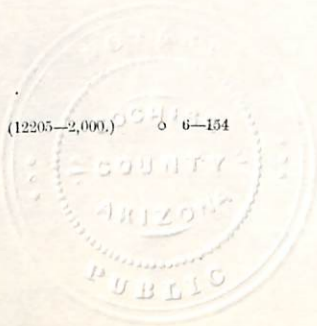
FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

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 May 23rd, 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 D. Willis James and W. E. Dodge, known as the Hager's ^{Mine} Mining claim, situate in the Warren, Mining District, Cochise County, Arizona, in ~~Section~~ ~~Township No.~~ ~~Range No.~~ and designated as Survey No. 973 Int. 711.78, 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 their 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. B. Dennis
a Notary Public this third
day of August, 1891.

S. B. Dennis
Notary Public



(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 Ariz.

March 24, 1892.

I, U. S. Surveyor General for Arizona Territory,
do hereby certify that the foregoing and hereto attached Field Notes and Return of the
Survey of the Mining Claim of D. Willis James and
H. E. Dodge, known as the

Hayes Mining Claim,
situate in Harrah mining district,
Cochise County, Ariz.

in Section _____, Township No. _____, Range No. _____
and, designated as Survey No. 973. Lot 78

executed by H. G. Horn, U. S. Deputy Mineral
Surveyor, July 8th and 16th, 1891, under my instructions dated

May 23rd, 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.

Royal Johnson

U. S. Surveyor General for Arizona

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