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(4-683.)

Mineral Survey No. 969

Lot No. 44

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

D. Willis James and W. C. Dodge

KNOWN AS THE

"Space Mine"

Warren Mining District,

Coconino County, Arizona

Section _____, Township _____, Range _____

Surveyed under instructions dated May 23rd, 1891

by I. G. Howe

U. S. Deputy Mineral Surveyor.

Claim located January 11th, 1881

Survey commenced July 9th, 1891

Survey completed July 7th, 1891

o 6-160

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

I. S. B. Whittum 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~~ ^{my} skill and ability, and in accordance with instructions given ~~us~~ ^{me} in the survey of the Mining Claim of ~~The Copper Queen Consolidated Mining Company~~ ^{The Copper Queen Consolidated} _____, known as the "Space Mine" situate in the Warren mining district, Cochise County, Arizona in Section _____, Township No. _____, Range No. _____.

I. S. B. Whittum, Chairman. X
_____, Chairman.

Subscribed and sworn to by the above-named persons before me this 2nd day of July, 1891.

J. B. Perrin
Notary Public

I, George Douglas, 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 Company~~ ^{D. Willis James & W. E. Dodge} _____, known as the "Space Mine" more fully described in the preceding affidavit.

George Douglas, Axeman. X

Subscribed and sworn to by the said George Douglas, before me this 2nd day of July, 1891.

J. B. Perrin
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 Survey of the
 Space Mine Mining Claims in
 the Warren Mining District
 Cochise County, Arizona
 Territory.

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

Surveyed by A. C. Howe U.S. Deputy
 Mineral Surveyor under in-
 structions from the Surveyor
 General of date May 25th 1891.

Survey commenced July 2nd 91.
 Survey completed July 7th 91.

Description of Survey
 Beginning at the Initial mon-
 ument situated at the westerly
 center end of claim, which point
 is also the initial monument
 of the "Neptune" ^{Mine} M.C. a mon of stone,
 where I set post 4 1/2 ft long 4 in. sq.
 upon crossings and surround
 by a monument of earth and stone
 4 1/2 ft. at base and 3 ft. high.
 Post marked upon East face I.M.
 Space M.M.C. No 1, and upon West
 face I.M. Neptune M.M.C. No 1.
 From which an Oak tree 12 ins. diam-
 eter blazed and marked N.T. Neptune
 bears S 55° 0' E 48.4 ft.
 U.S.M.M. No 4, just established
 bears N 50° 28' E 868.48 ft. dist.
 var 11° 40' East.
 Thence N 48° 27' E
 var 11° 40' East.

Feet,

294.4 To a 2x4 in stake in mon of stone the N.W. cor of Space ^{Mine} M.C. and N.E. cor Neptune ^{Mine} M.C. Where I set Post 4 1/2 ft long 4 in. sq. and surrounds by a monument of earth and stone 4 1/2 ft at base and 3 ft high. Post marked upon east face S.M.M.C. No 2 and upon west face N.M.M.C. No. 6.

Thence $539^{\circ} 15' E$
 var $11^{\circ} 40' East$.

81.45 To the N.E. cor. Space ^{No} M.C. which is also the N.W. cor the Gardner M.C. Lot 72 being Post G.M.C. No. 2, a 4 in sq. Post in monument of stone.

I mark west face of post S.M.M.C. No 3.

Thence $548^{\circ} 27' W$.
 var $11^{\circ} 40' East$.

296.8 To a 4 in Post in mon of stone the westerly center and initial mon. of the Gardner M.C. Lot No 72, which point is also the easterly center Space ^{No} M.C.

I mark the west face of post S.M.M.C. No 4. The east face being marked I.M.GARDNER M.C. No. 1. From which U.S. M.M. No 1. bears $N 26^{\circ} 29' W$ 3112. ft.

Thence $548^{\circ} 27' W$
 var $11^{\circ} 40' East$.

182.3 To a 4 in post in monument of stone being G.M.C. No. 6. which Post I mark upon west face S.M.M.C. No 5.

Thence $N 33^{\circ} 30' W$
 var $11^{\circ} 40' East$.

82.23 To the S.W. cor. Space ^{No} M.C. which is also the S.E. cor. Neptune ^{Mine} M.C. a monument of stone. where I set a post 4 1/2 ft. long 4 in. sq. in monument of stone and earth.

Feet. Post marked upon east face S.M.
M.C. No 6, and upon the west face
N.M.M.C. No. 2.

Thence $N 48^{\circ} 27'$ East.

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

176.4 To Post No. 1. and place of beginning
Survey of exterior lines

Area.

Total Area of Claim .89 Acres.

No conflicts

Net area .89 Acres.

Location.

This claim is located in the
Warren Mining District, Cochise
County Arizona Territory, about
 $\frac{1}{2}$ a mile South easterly from
the Copper Queen con. Mng. Co.
Smelters.

And is bounded upon the South
east by the Gardner M.C. Lot No.

72, formerly the Excelsior M.C.
and upon the N.W. by the "Neptune Mine"
Mining Claim,

Improvements.

The improvements made upon this
claim by claimants or their gran-
tors consist of a Shaft 4x6 ft 12 ft.
deep, bears $S 23^{\circ} 30' E$ 42.8 ft from.

Post I.M. Space^{M.} M.C. No. 1.

A Shaft 4x6 ft. 17 ft. deep bears $N 75^{\circ} E$
104. ft. dist. from Post I.M. Space^{M.} M.C.
No. 1.

A Shaft 4x6 ft. 80 ft. deep, bears,
 $N 66^{\circ} E$ 245 ft. from Post I.M. Space^{M.} M.C.
No. 1, and hereby certify that the
value of said improvements exceeds
in value the sum of five hundred
dollars.

There have been no improve-
ments made by other parties
on this claim

Instruments used a Goung's
improved solar transit and
Steel Tape.

var. and courses taken by use
of solar apparatus, after careful
adjustment.

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

Bisbee August 3rd 91

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
"Space Mine" mining claim, situated in
the 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

J. C. Penick
 Notary Public



FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by H. 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 D Willis James and W. E. Dodge,
 known as the "Space 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. G. 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 "Space 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. E. Perrin
Notary Public



FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, H. 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 "Space" ^{Moore} mining claims, situate in the Warren Mining District, Cochise County, Arizona, in Section Township No. Range No. and designated as Survey No. 969 - Lot No 74, 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.

H. G. Howe

U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said H. G. Howe,
 U. S. Deputy Mineral Surveyor, before me S. C. Perrin
a Notary Public this third
 day of August, 1891.

S. C. Perrin
Notary Public



Space Mine.

10

Notice of Location, Warren District, Pima Co. A.T. January 11th 1881. Notice is hereby given that I the undersigned have this day located and claim ^{one} mining claim of Eighty three (83) feet in length and six hundred (600) feet in width, being the space vacant between the Neptune and the Excelsior Mining claims, furtherly described as being bounded on the West end by the Neptune Mine, on the East end by the Excelsior mine, Corners of surface ground designated by monuments of stones, situated in Warren District Pima Co. A.T. and shall be known as the Space Mine.

Witness Locator.

A. Rant.

William Herring.

Dated on the ground this 11th day of January 1881, Pima County, Arizona Territory.

Filed and recorded at request of William Herring Jan'y 21st A.D. 1881 at 8.30 A.M.

Chas R. Drake.
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 Space Mine Warren District as appears of record now in my office in Book 5, Page 116 of mines Trans Records, In witness whereof, I have hereunto set my hand and affixed

my official seal, at my office, in Tombstone, this 20th day of September, A. D. 18
W. F. Bradley,
County Recorder.

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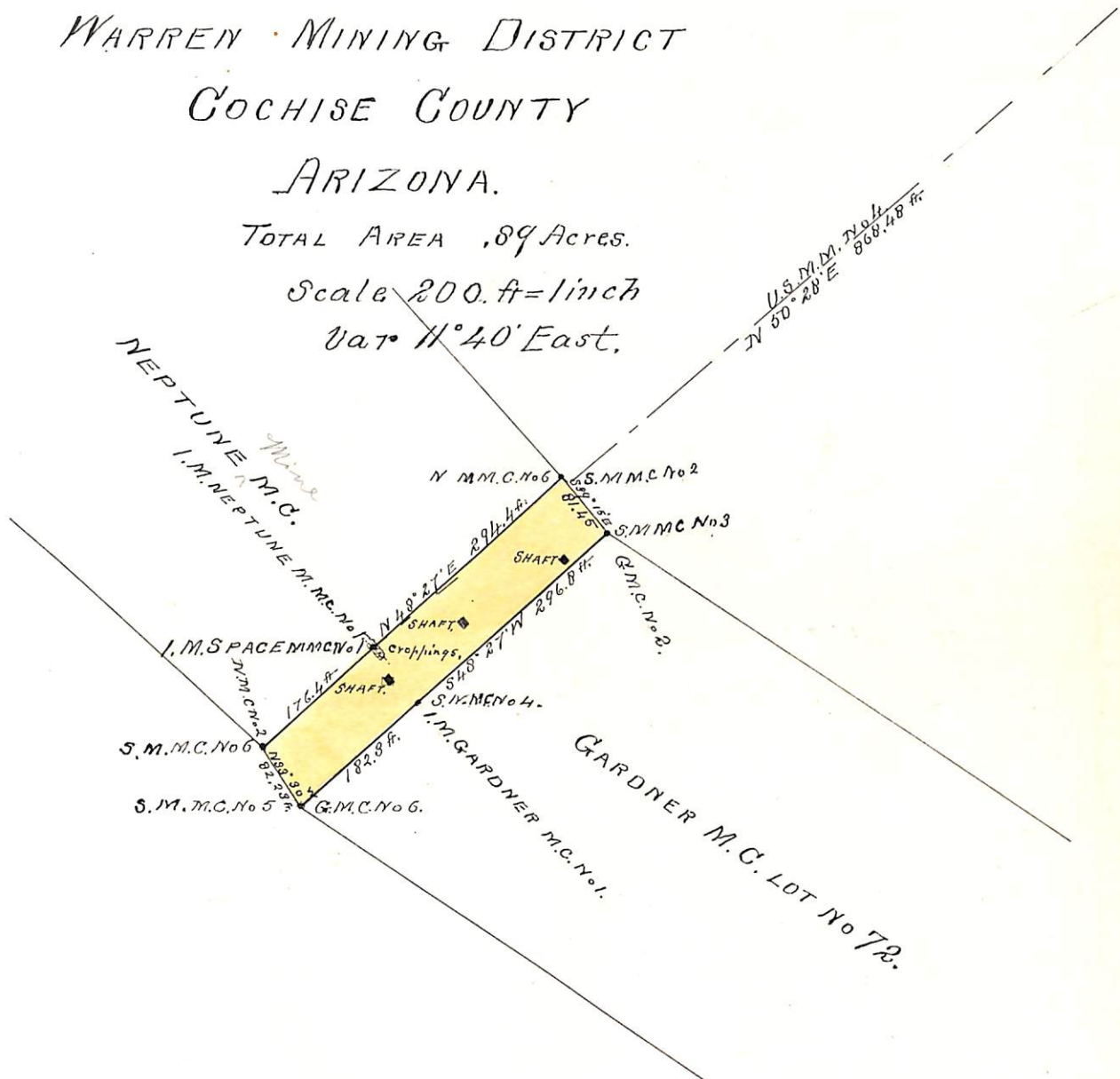
at
Space Mine.

PLAT
 Of the
 SPACE MINE MINING CLAIM
 WARREN MINING DISTRICT
 COCHISE COUNTY
 ARIZONA.

TOTAL AREA .89 Acres.

Scale 200. ft = 1 inch

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



(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

September 29, 1891.

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
W. E. Dodge.

"Space Mine", known as the

Space Mine

situate in Warren mining district,

Warren

Coconino County, Arizona

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

and _____, designated as Survey No. 969. Lot No 74.

executed by W. G. Howe, U. S. Deputy Mineral

W. G. Howe

Surveyor July 2nd to 7th, 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.

Alfred Johnson
U. S. Surveyor General for Arizona

U. S. Surveyor General for