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APR-7 1905

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(4-683.)

Mineral Survey No. 2038

Lot No. —

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

the Duquesne Mining & Reduction Co.

KNOWN AS THE

Grasshopper
Patagonia Mining District,

Santa Cruz County, Arizona

Section — Township 24 S. Range 16 E (unsurveyed)

Surveyed under instructions dated Feb. 27, 1905
by Philip Conzner
U. S. Deputy Mineral Surveyor

Claim located May 20th 1899

Survey commenced March 4th 1905

Survey completed March 4th 1905

6-169

Tie with California journal check
" " amine OK
area OK
ledge OK
 46

Address of Claimants attys:—

Hempel & Hazard
Pueson ariz

San Francisco July 20 1905, amine

Grasshopper

Survey No 2038

Beginning at Cor. No 1,
 Identical with the location and
 Cor. No 2 of the California
 lode, Sur. No 1403, and Cor. No 3
 of the Annie lode, Sur. No 2035,
 which is a juniper post, 5 ins.
 square, 2 1/2 ft. above ground
 surrounded by a mound of
 stone, scribed 2-1403, A-3-2035,
 I mark same post, G-1-2038,
 whence U. S. M. M. No 1, bears S 70° 47' W 153 1/2 ft
 An oak, 12 ins. diam., blazed and
 scribed 1-2038 B.T., bears N 60° 15' E
 86.3 ft.

An oak, 10 ins. diam., blazed and
 scribed 1-2038 B.T., bears N 90° 45' W
 65 ft.
 Thence N 85° 11' E
 To 120° 5' E

288

To S. end center monument,
 Identical with the location
 and the N. end center monument
 of the California lode Sur. No
 1403, which is a juniper
 post 2 1/2 ft above ground
 surrounded by a mound of
 stone.

570'
589.2

To Cor. No 2

Identical with the location
 and Cor. No 3, of the California
 lode, Sur. No 1403, which is
 a juniper post, 5 ins. square,
 2 1/2 ft. above ground, surrounded
 by a mound of stone, scribed
 3-1403. I mark same post
 G-2-2038, whence
 A cross (X) and B.R. 2-2038, chiseled
 on a limestone 2 x 1 ft, 6 ins. above
 ground, bears S 6° 30' W 12.5 ft.
 A cross (X) and B.R. 2-2038, chiseled

on a limestone, showing $6 \times 3 \times 1$
ft, above the ground, bears
 $N64^{\circ}W$ 13.3 ft.

Thence $N20^{\circ}12'E$

$N_{12} 12^{\circ}30'E$

665.7 To Cor. ~~No 3~~,
Identical with the S. end
center monument of the
Pluto No 2, lode, (Sur. No ²⁰⁵⁷ 2057),
which is a pine post 4×6 ins.,
3 ft. above ground, surrounded
by a mound of stone, I
mark same post G-3-2038,
whence

Location Cor., which is a mound
of stone 2 ft. base, 2 ft. high, bears
 $N20^{\circ}12'E - 200$ ft

An oak 24 ins. diam. blazed and
scribed 3-2038 B.T., bears $N19^{\circ}45'E$ 43 ft

An oak, 30 ins. diam., blazed and
scribed 3-2038 B.T., bears $S65^{\circ}E$ 66 ft

Thence $N60^{\circ}9'W$.

10 Road bears $N_{12} 12^{\circ}30'E$
300 To Cor. ~~No 4~~

Identical with the N. end center
monument of the location and
with Cor. No 1 Pluto No 2 lode
(Sur. No. 2057), which is a pine post
 4×6 ins., 3 ft above ground
surrounded by a mound of
stone, I mark same post
G-4-2038, whence

An oak 12 ins. diam., blazed and
scribed 4-2038 B.T., bears $N89^{\circ}E$
75.6 ft

An oak 18 ins., diam., blazed and
scribed 4-2038 B.T., bears
 $N50^{\circ}30'W - 58.6$ ft.

Thence $S85^{\circ}11'W$

$N_{12} 12^{\circ}30'E$

42.2 To Cor. No 5

A limestone 2 x 2 ft, 5 ins. above ground, with mound of stone, chiseled 5-2038, whence San Antonio Peak bears S 1045' E Morita Peak, bears S 79015' E Thence S 68.24' W

292.6 To Cor. No 6

A limestone 24 x 12 x 3 ins. above the ground, with mound of stone, chiseled 6-2038, also 4-2035. This Cor. is identical with Cor. No 4, Annie lode, Sur. No 2035, whence

Line peak, bears N 55° 15' E

A juniper, 6 ins. diam. blazed and scribed 6-2038 B.T.

bears S 53° W 34.7 ft.

Location Cor. which is a pine post 4 ins. square, surrounded by a mound of stone, bears N 18° 54' E 100 ft - Cor. No 1 Texas lode Sur. No 1402 bears S 68° 4' W - 73.2 ft Thence S 18° 54' W

N 12° 30' E

140 Road, bears N. E. and S. W

290 Road, bears E. and W

460 Gulch, course S. W

751.2 To Cor. No 1, the place of beginning

Area ----- 9.777 Acres

Location

This claim is located in T. 24 S. R. 16 E (unsurveyed) Patagonia Mining District, Santa Cruz Co. Arizona

Adjoining claims

This claim is bounded on the North by the Texas lode Sur. No 1402 and Pluto No 2 lode (Sur No 2057), Duquesne lode (Sur No 2057) on the East and

California lode, Sur. No 1403 on the South and Annie lode, Sur. No 2035 on the West

Course of Vein

The presumed course of vein is from the S. end center monument $S. 17^{\circ} 49' 30'' W.$ 838.5 ft. to the N. End center monument

Improvements

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimants and ~~its~~ grantors is not less than five hundred dollars and that said improvements consist of:

From Cor. No 5:

Discovery Shaft No 1. 4×6 ft. 40 ft deep, bears $S 11^{\circ} 15' W$ - 370 ft. Value \$ 400.00

Shaft No 2, 4×6 ft. 10 ft deep, bears $S 51^{\circ} 30' E$ 138 ft. Value \$ 100.00

From Cor. No 1

Cut No 3, 4×6 ft. 15 ft. long, bears $N 50^{\circ} E$, 46 ft. Value \$ 100.00

Shaft No 4 4×6 ft. 10 ft. deep bears $N 60^{\circ} E$ - 75 ft. Value \$ 100.00

Shaft No 5, 8×15 ft. 15 ft deep, bears $N 66^{\circ} 30' E$ - 110 ft.

Value \$ 600.00

Shaft No 6, 8×15 ft. 15 ft deep, bears $N 80^{\circ} E$, 100 ft.

Value \$ 150.00

Shaft ^{No 7} No 7, 4×6 ft. 12 ft. deep bears $N 30^{\circ} E$, 75 ft.

Value \$ 100.00

Instrument

This survey was made with a Young and Sons Light Mountain

Transit with a Smiths Solar
Attachment.

The courses were deflected from
the true meridian as determined
by direct Solar observations
and checked on the lines of
the California Lode, Sur.
No 1403 and the Annie Lode
Sur. No 2035.

The distances were measured
with 50 ft and 300 ft steel
tapes.

Philip Contzen
U. S. Dep. Mineral Surveys.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Philip Coutzen
 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 Duquesne Mining and Reduction Co.
 known as the Grasshopper
 and showing the respective capacities in which they acted.

- W. S. Kengla , Chairman.
- Henry W. Huggins, Chairman.
- Leon Wood , Axman.
- Leon Wood , Flagman.

FINAL OATHS OF ASSISTANTS.

We, W. S. Kengla and Henry W. Huggins
 and Leon Wood , do solemnly swear that we assisted Philip
Coutzen , United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of the Duquesne
Mining and Reduction Co.
 , known as the
Grasshopper , 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

- W. S. Kengla , Chairman.
- Henry W. Huggins, Chairman.
- Leon Wood , Axman .
- Leon Wood , Flagman.

Subscribed and sworn to by the above-named persons before me
 this 18th day of March , 1908

W. G. Power
 Notary Public
 My commission expires
April 27th 1908

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Coutzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Feb. 27 1905, 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 Duquesne Mining and Reduction Co. known as the Grasshopper, situate in Patagonia Mining District, Santa Cruz County, _____, in Section _____, Township No. 24 S., Range No. 16 E (unsurveyed) and designated as Survey No. 2038, 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.

Philip Coutzen
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Coutzen
U. S. Deputy Mineral Surveyor, before me _____
this 18th
day of March, 1905

H. G. Power
Notary Public
My Commission Expires April 27th 1908

Affidavit of Five Hundred Dollars Improvements.

We, W. S. Kengla and Leon Wood

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

Grasshopper mining claim, situate in Patagonia

mining district, Santa Cruz County, Arizona Territory, for which the

Duquesne Mining and Reduction Co.

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

its grantor exceed five hundred dollars in value, and further that we are not personally interested in said mine.

W S Kengla
Leon Wood

TERRITORY OF ARIZONA,

COUNTY OF Pima } ss:

Sworn to and subscribed before me this 18th day

of March, 1905

[SEAL.]

11786b-100-2-04

H. G. Power
Notary Public
My commission Expires
April 27th 1908

N O T I C E O F M I N I N G L O C A T I O N.

Quartz Claim.

TO ALL WHOM IT MAY CONCERN;)

This Mining Claim, the name of which is the Grasshopper mining claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by Dennis Coughlin and Henry Harmon, the undersigned, on the 20th day of May, 1899. The length of the claim is 1500 feet and we claim 300 feet on each side of the discovery shaft (at which this notice is posted), lengthwise of the claim. The general course of the lode deposit and premises is from the North to the South.

The claim is situated and located in Patagonia Mining District in Santa Cruz County, in the Territory of Arizona, about 1 mile south in a south direction from Washington Camp and about 1/4 mile west of Duquesne Store.

The surface boundaries of the claim are marked upon the grounds as follows: Beginning at a monument at a point in a northerly direction 420 feet from the discovery shaft, at which this notice is posted, being in the center of the north end lines of said claim; thence westerly 300 feet to a monument, being the northwest corner of said claim; thence southerly 750 ft. to a monument at the center of the westerly side line of said claim; thence southerly 750 feet to a monument being the south west corner of said claim; thence easterly 300 feet to a monument at the center of the south end of said claim; thence easterly 300 feet to a monument, being at the corner of said thence westerly 750 feet to a monument being at the center of the easterly side line of said claim; thence northerly 750 feet to a monument at the north east corner of said claim; thence westerly 300 feet to the place of beginning.

All done under the provisions of Chapter Six of Title XXXII, of the Revised Statutes of the United States, and of an Act

of the General Assembly of Arizona, entitled an "An Act Concerning Mines", approved March 20th, 1895.

Dated and posted on the ground this 20th day of May, 1899.

Dennis Coughlin.

Henry Harmon.

Filed and recorded at request of Dennis Coughlin Aug.
31st 1899, at 1 P. M.

W. N. Cummings, Recorder.

1-152
Territory of Arizona,
County of Santa Cruz. ss.

I, Phil Herold County Recorder in and for the County and Territory aforesaid, do hereby certify that the foregoing is a full, true and correct copy of notice of mining location of the Grasshopper mining claim situate in Patagonia Mining District, in Santa Cruz County, Arizona, as the same appears of record in my office in Book 1 of Mining Locations at pages 152 and 153.

Witness my hand and seal of office this 14th day of February, A. D. 1905.


County Recorder.

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,

Phoenix, Arizona.

May 20, 1905.

I, U. S. Surveyor-General for the district of Arizona.

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of Duquesne Mining and Reduction Co.,

known as the
Grasshopper

situate in Patagonia Mining District,
Santa Cruz County, Arizona.

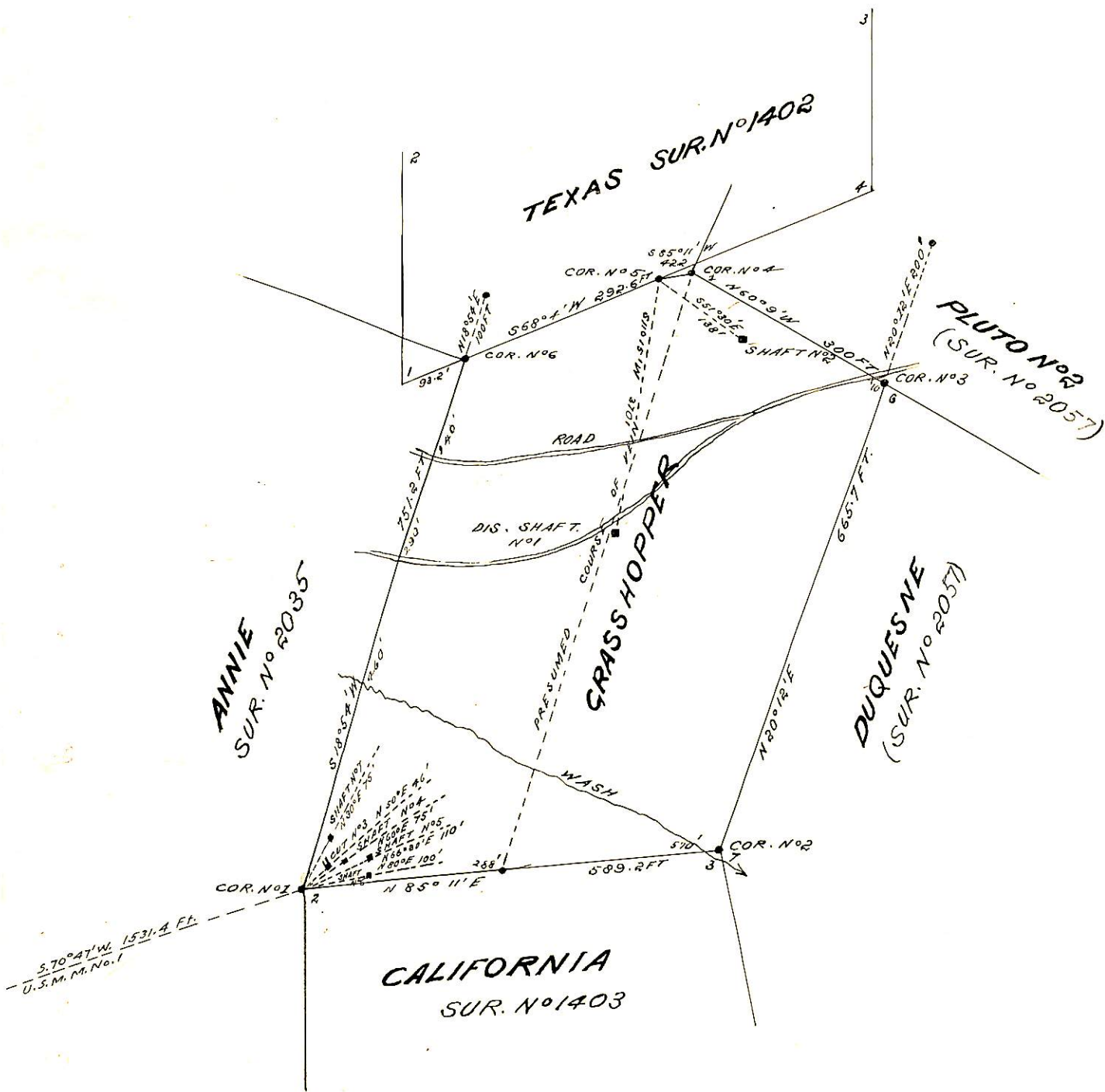
in Section _____, Township No. 24 S., Range No. 16 E. unsurveyed.
designated as Survey No. 2038

executed by Philip Contzen, U. S. Deputy Mineral
Surveyor, March 4th 1905.

Feb. 27, 1905., 190., have been critically examined and the necessary cor-
rections 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.

Frank J. Sargent

U. S. Surveyor-General for Arizona.



SURVEY No 2038

GILA LAND DISTRICT

SURVEYED MARCH 4, 1905

by
Philip Coulter
U.S. DEP. MINERAL SUR.