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cross & dist tracing on file

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MAY 8-1905

referred by you
5/12/05-

(4-683.)

Mineral Survey No. 2033

Lot No. _____

Gila Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Duquesne Mining & Reduction Co.

KNOWN AS THE

Golden Gate

Patagonia Mining District,
Santa Cruz County, Arizona

Section _____ Township 24 S., Range 16 E (unsurveyed)

Surveyed under instructions dated February 27th 1905

by Philip Couzter
U. S. Deputy Mineral Surveyor.

Claim located January 1 1889

Survey commenced March 7 1905

Survey completed March 7 1905

8-160.

The
crossing
at

Hereford & Hazzard Atty's:
Tucson, Ariz.

Golden Gate

2

Survey No 2033

Beginning at Cor. No 1

Identical with the location, which is a pine post, surrounded by a mound of stone

A pine post 6 ins. square, $3\frac{1}{2}$ ft long, set 18 ins. in the ground with mound of stone, scribed G.G-1-2033, whence

U. S. M. M. No 1 bears $S 8^{\circ} 43' W$ 3198.2 ft.

A juniper 14 ins. diam., blazed and scribed 1-2033 B. T., bears $N 10^{\circ} E$ 16.3 ft

A juniper 12 ins. diam., blazed and scribed 1-2033 B. T., bears $S 58^{\circ} 15' E$ 68.3 ft.

Cor. No 4 - Circle of the West lode, Sur. No 1412 bears $S 21^{\circ} 58' E$ 894.6 ft.

Thence $S 77^{\circ} E$

$N 11^{\circ} 15' E$

87 Road, bears N. and S.

277.3 Intersect Line 3-4, Circle of the West lode Sur. No 1412 at a point from which Cor. No 3 of said lode, bears $N 4^{\circ} 48' W$ 730 ft

300 To South end center monument, identical with the location, which is a mound of stone $3\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high

570 Road, bears N + S.

600 To Cor. No 2

Identical with the location, which is a pine post 4 ins. square, surrounded by a mound of stone

Set a pine ^{post}, 4 ins. square, $3\frac{1}{2}$ ft long, 16 ins. in the ground with mound of stone, scribed G.G-2-2033, whence

An oak 6 ins. diam., blazed and

scribed 2-2033 B.T., bears
 $S 61^{\circ} 15' W - 5 \text{ ft}$

An oak 8 ins. diam., blazed and
 scribed 2-2033 B.T., bears
 $S 55^{\circ} 15' W - 19.4 \text{ ft}$.

Thence $N 11^{\circ} 30' E$

$N 11^{\circ} 15' E$

- 115 Road, bears N.E. and S.W
- 180 Road, bears E. and W.
- 742 Pine post in mound of stone E. S. L. m.
- 855 Water tank, 50 ft. diam.
- 1140 Tramway bears N. Easterly ^{1/2} of S. Westerly
- 1437.67 Intersect line 1-2 Doer lode Sur. 1101409 at a point from which Cor. 12 - bears $N 12^{\circ} 50' W - 67.4 \text{ ft}$
- 1470 Washington Creek, course Easterly
- 1480 To Cor. 1103

Identical, with the location,
 which is a mound of stone $2 \frac{1}{2}$
 ft. base, $2 \frac{1}{2}$ ft high

Pine post, 4 ins. square, $3 \frac{1}{2}$ ft
 long, set 18 ins. in the ground
 with mound of stone, scribed
 G.G-3-2033 thence

An oak, 5 ins. diam., blazed
 and scribed 3-2033 B.T., bears
 $N 87^{\circ} W - 25.3 \text{ ft}$

An oak, 5 ins. diam., blazed
 and scribed 3-2033 B.T., bears
 $N 20^{\circ} 30' E - 15.1 \text{ ft}$

Cor. 1102 - Doer lode, Sur. 1101400,
 bears $N 46^{\circ} 55' W - 57 \text{ ft}$.

Thence $N 77^{\circ} W$

$N 11^{\circ} 15' E$

- 25.34 Intersect line 1-2 Doer lode - Sur. 1101400, at a point from which Cor. 1102 - bears $N 21^{\circ} 50' W - 25.34 \text{ ft}$
- 40 Doer lode bears $N 11^{\circ} 15' E$
- 100 Washington Creek, course S. Easterly
- 300 North end center monument
 Identical with the location,
 which is pine post 4 ins. sq.
 in mound of stone
- 437.17 Intersect Line 1-2 Georgia
 lode, Sur. 1101406, at a
 point, from which Cor. 1101
 bears $S 81^{\circ} 20' E - 759.46 \text{ ft}$.
- 580 Washington Creek, course Easterly

600 To Cor. No 4

No signs of old corner
This corner falls in the creek, therefore, at a point N110°30'E 3 ft distant, I chiseled a (X) cross and W.C - 4 - 2033 on limestone boulder, showing 20 x 10 x 3 ft for witness cor.

of Cor. No 4, whence
A cross (X) and B. R. - W.C - 3 - 2033 chiseled on a granite boulder ^{showing} 4 x 3 x 3 ft, above the ground, bears N67°45'E 36.4 ft
A cross (X) and B. R. - W.C. - 3 - 2033, chiseled on a granite boulder, showing 4 x 3 x 3 ft above the ground, bears N10°15'E - 13.2 ft.

Thence N110°30'W
from Cor. point No 4
Va N10°15' E

- 10 Washington Creek course Easterly
- 12.32 Intersect line 1-2 of Georgia lode sur. No 1406 from which Cor. No 1 - bears N81°20'E - 75.43 ft
- 450 Gulch course N. N. Easterly
- 738 Pine post in mound of stone W.S.L.M
- 807.7 Intersect Line 2-3 of the Pride of the West lode sur. No 1412, at a point from which Cor. No 3, of said lode, bears N85°12'E 75.3 ft
- 1150 Tramway bears North Easterly and South Westerly
- 1220 Road, bears N. Westerly and S. Easterly
- 1480 To Cor. No 1, the place of beginning

- Area -
 Golden Gate - - - - - 20.379 Acres
 Less conflict Pride of the West lode - sur. No 1412 2.770 A^s
 Doeo lode, sur. No 1400 0.011 "
 Georgia lode, sur. No 1406 0.023 "
 Total area in conflict - - - - - 2.807 Acres

Net area Golden Gate - - - 17.572 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 Georgia lode Sur. No 1406, on the East by the Doco lode, Sur. No 1400 and Wedge and Iron Cow lodes unsurveyed, on the South by the Pride of the West No 1 Lode, Sur. No 1412 and Pride of the West No 2 lode, ^{unsurveyed} and on the West by the Pride of the West No 4 lode, Sur. No 1412 and the W. H. Chapin lode, unsurveyed

Course of Vein

The presumed course of vein or ledge, is from the South end center monument to the North end center monument N 11° 30' E 1480 feet.

Improvements

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

From Cor. point No 4

Discovery Shaft No 1, 4 x 6 ft, 10 ft deep, bears S 46° E - 300 ft Value \$ 100.00

Incline Shaft. No 2, 4 x 6 ft 100 ft deep, bears S 39° E 200 ft Value \$ 500.00

Shaft No 3, 4 x 6 ft, 10 ft deep,
bears S 39° E, 220 ft.
Value \$ 100.⁰⁰

Tunnel No 4, 4 x 6 ft, 100 ft. long,
course South, bears S 40° E 600 ft.
Value \$ 500.⁰⁰

From Cor. No 3,
Tunnel No 5, 4 x 6 ft, 42 ft long,
course S 63° W, bears S 82° 30' W 200 ft.
Value \$ 200.⁰⁰

Tunnel No 6, 4 x 6 ft, 88 ft long,
course S 63° W, bears S 74° 45' W
215 ft.
Value \$ 400.⁰⁰

Tunnel No 7, 4 x 6 ft, 45 ft long,
course S 63° W - , bears S 71° W
255 ft.
Value \$ 200.⁰⁰

Other improvements

From Cor. No 3 : N. E. corner of
a frame building 40 x 20 ft, bears
S 29° 30' W, 94 ft.

From Cor. point No 4 : An adobe house
20 x 20 ft, bears S 40° E, 530 ft

Instrument

This survey was made with
a Young and Sons Light Mountain
Transit. The courses were
deflected from the true meridian
as determined by direct solar
observations, ^{and checked by Polaris observations}. The distances were
measured with 50 ft and 100
ft. steel tapes.

Polaris observation

March 6. 1908 : At Cor. No 1,
and at 8^h 23^m l. m. t., P. M., I
observed Polaris at western
elongation and marked the line
by an iron bolt 18 ins. long driven

in the ground, at a point 300ft
North. - March 7-1905 at 7^h
A.M., l.m.t., I deflected 1°26'
to the east and from the
meridian thus determined
I checked lines determined
by the Solar which agreed
within one minute.

Note:

The disagreement between
courses of the Prick of the
West ~~404~~ are due to errors
in old survey

Philip Contzen
U. S. Deputy Mineral Surveyor.

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 & Reduction Co"
 known as the Golden Gate
 and showing the respective capacities in which they acted.

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

FINAL OATHS OF ASSISTANTS.

We, Henry W. Huggins, W. S. Kengla
 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 _____
Golden Gate, 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.

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

Subscribed and sworn to by the above-named persons before me
 this 18th day of March, 1905

W. G. Power

 Notary Public
 my Commission Expires April 27th 1908

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, Philip Contzen, 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 Duquesne Mining and Reduction Co. known as the Goeden Gate, situate in Patagonia Mining District, Santa Cruz County, Arizona, in Section —, Township No. 24 S., Range No. 16 E (unsurveyed) and designated as Survey No. 2033, 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 Contzen
U. S. Deputy Mineral Surveyor.

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

W. G. Power
Notary Public, Pima County, Arizona Territory.
My Commission Expires April 27th, 1906.

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 Golden Gate mining claim, situate in Patagonia

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

"Augustine Mining & 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 18 day

[SEAL.]

of March, 1905

W. G. Power

Notary Public

My Commission Expires April 27th 1908

GOLDEN GATE MINE.
NOTICE OF LOCATION.

The undersigned claims 1500 linear feet of this mineral-bearing ledge, together with 300 feet on each side of the middle of the vein at the surface for mining purposes.

Commencing at this monument of stones, in which this notice is posted, running thence northerly about 100 feet to stone monument being the northerly end center of claim; thence westerly 300 feet to stone monument; thence southerly 1500 feet to stone monument; thence easterly 300 feet to stone monument, being the southerly end center of claim; thence easterly 300 feet to stone monument; thence northerly 1500 feet to stone monument, thence westerly 300 feet to stone monument, being the northerly end center of claim. This claim is situated southerly from and adjoining the Columbia mine, and northeasterly from and adjoining the Pride of the West mine, upon the eastern slope of the Patagonia Mountains, southern part of Pima county, territory of Arizona, and adjoining the town of Washington on the south, and shall be known as the GOLDEN GATE mine. This mine is located by me for the Hensley Mining, Milling and Smelting Co. Located January First, A. D. 1889

Wm. E. Hensley.

Filed and recorded at request of Sam W. Cheyney, February, 21st, A. D. 1889, at 9 a. m.

C. A. Shibell.

County Recorder.

Book X, Record of Mines, page 154.

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.

June 19, 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
Golden Gate.

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

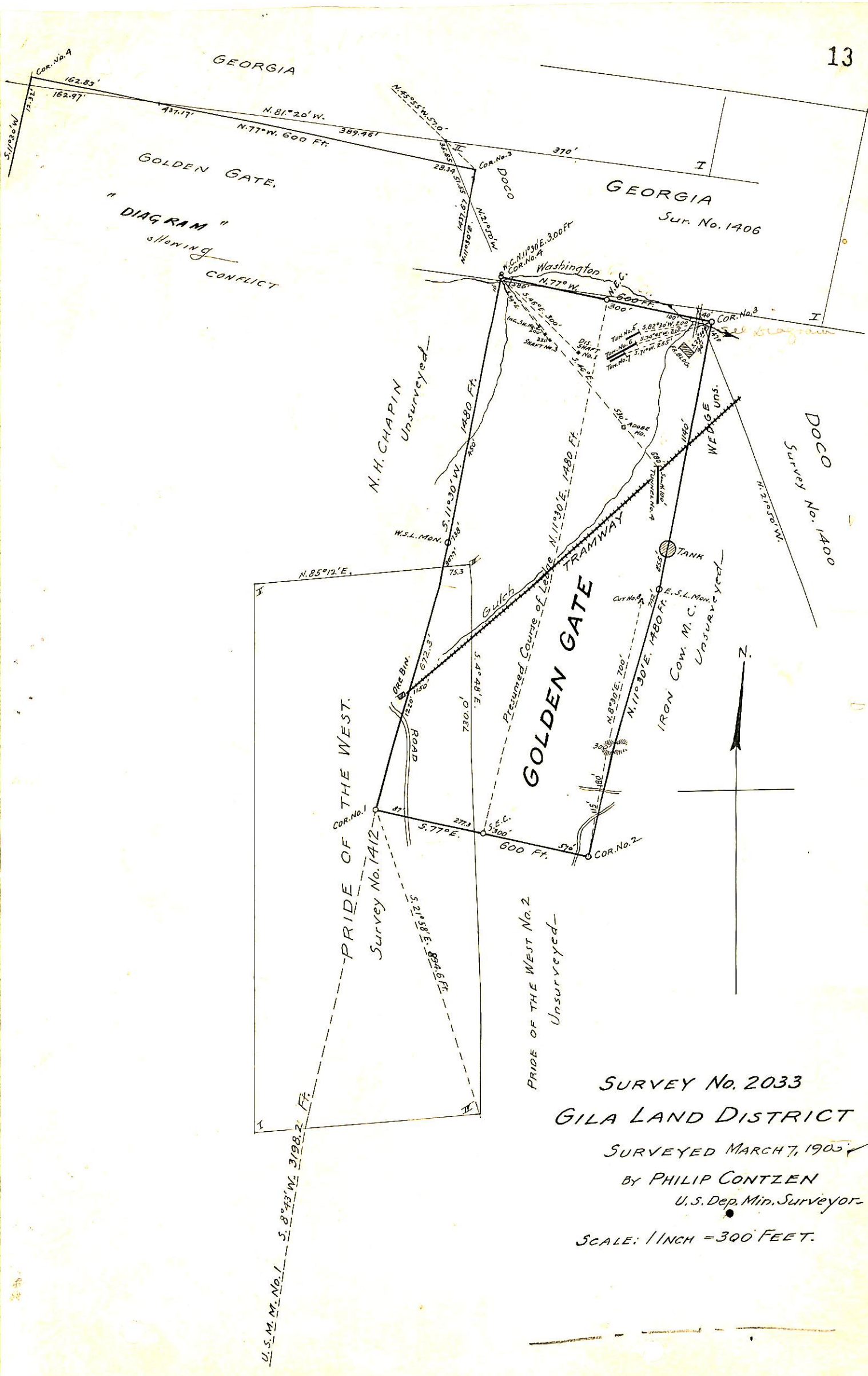
in Section, Township No. 24 S., Range No. 16 E. unsurveyed
....., designated as Survey No. 2033.

executed by Philip Contzen, U. S. Deputy Mineral
Surveyor, March 7th 1905.

....., 1905, under my instructions dated
Feb. 27th 1905, 1905, 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 S. Ingalls

U. S. Surveyor-General for Arizona.



SURVEY No. 2033
 GILA LAND DISTRICT
 SURVEYED MARCH 7, 1905
 BY PHILIP CONTZEN
 U.S. Dep. Min. Surveyor.
 SCALE: 1 INCH = 300 FEET.