

4-683

MINERAL SURVEY No. 4018

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

G. B. Williams, by R. W. Langworthy, Attorney in Fact,

KNOWN AS THE

Nil Desperandum lode

Oro Blanco Mining District,

Santa Cruz County, Arizona.

Section 13, Township 23 S., Range 10 E. G. & S. R. B. & M., Unapp'd.

Surveyed under instructions dated June 28, 1926.

by Paul E. Fernald
U. S. Mineral Surveyor.

Claim located (see Loc. Notice attached), 19

Survey commenced May 26th., 1927.

Survey completed May 30th., 1927.

Address of claimant R. W. Langworthy, Atty.
Tucson, Arizona.

DATES OF AMENDED LOCATIONS.

6-822

low 754 4-6-29
not same 12-30-30
flanka

Est. for carb. copy # 3.00
notes & 2 copies plat .50

MINERAL SURVEY NO. 4018.

Feet.

NIL DESPERANDUM LODE.

Beginning at Cor. No. 1.

A 2" iron pipe 4 feet long, set 15 inches in bedrock in concrete and surrounded by monument of stones. Iron cap on pipe stamped U.S.M.S. 4018, NIL DES. COR.1.

Whence:- U.S.Mineral Monument No.2, Oro Blanco Mining District, Santa Cruz County, Arizona, bears S 59°38'E, 6645.26 feet.

Thence S 44° 9'W

137.00 Crest Hogback, N.W.- S.E.

300.00 East End Center, identical with Cor. No.3, Connecting Link Lode, Survey No. 3688. A 10"x10" Diorite Stone 12" above ground, scribed $\left. \begin{array}{l} 3 \\ X \\ 3688. \end{array} \right\} \begin{array}{l} CL \\ \\ \end{array}$, with 2½' mmt. of stones 3 feet S.E.

556.00 Cross center 45' wash running S 60°E.

584.00 ^{Witness} W.C. ^{Corner} to Cor. No. 2, this lode and survey, on south bank of wash. A 2" iron pipe 4 feet long, set 1½ feet in ground in concrete and surrounded by monument of stones. Cap on pipe stamped NIL.DES. U.S.M.S. 4018.
W.C.--> COR.2

599.00 Cor. No.2 (not set), identical with Cor. No.2, Thirteen Lode, Survey No.3688 - a 6x16" light porphyry rock 5" above ground, scribed 2 - 13 .

X
3688

This monument is set on a very steep slope, and had no surface available for additionally marking it for Cor. No. 2, this survey, hence I established ^{Witness} W.C. ^{Corner} for Cor. No. 2, this survey, heretofore described, at point N 44° 9'E, 15.00 feet, on line 1-2, this survey.

Whence:- ^{(From} true point ^{for} Cor. No. 2).

A 14" Oak, blazed and scribed $\left. \begin{array}{l} 4018 \\ X \\ B.T.2 \end{array} \right\}$ bears N 46° 4'W, 35.02 feet.

A 20" Oak, with old blaze - scribing illegible, and more recent blaze nearly grown over by bark - 5 figure number illegible, bears (to center recent blaze) S 7°36'W, 33.97 feet.

Cor.No.1, Thirteen Lode, identical with Cor. No. 4,

Connecting Link Lode, both Survey No. 3688, bears
S 44° 6'W, 200.19 feet.

Small post and stone monument bears S 52°41'E, 1106.13
feet.

Thence N 45°16½'W

108.00 Center main wash, running S 60° E.
284.00 Center main wash, running south.
679.00 S.E.Edge top steep hill.
1008.00 N.W.Edge top steep hill.
1169.00 Center small draw running S.W.
1188.31 Cor. No. 3, Thirteen Lode, Survey No.3688.
1500.00 Cor. No.3,
A 2" iron pipe 4½ feet long, set 2 feet in ground in
concrete and surrounded by monument of stones. Cap
on pipe stamped NIL DES. U.S.M.S.4018, COR.3.

Thence N 44°9'E

70.00 Crosses deep draw running S.E.
299.00 West end center - 4½" Oak post in mmt. of stones.
435.00 Crosses small draw running easterly.
599.00 Cor. No.4.
A 2" iron pipe 4 feet long, set 1½ feet in ground in
concrete and surrounded by monument of stones.

Thence S 45°16½'E

146.00 Crosses small draw running easterly.
275.00 Center main wash at bend to S.E.
312.00 Center main wash at bend to south.
1430.00 Crosses center sharp ridge.
1500.00 Corner No.1, the point of beginning.

Magnetic Variation at all corners of this survey 13°45'E.
No suitable natural bearing objects were available from
Corners 1, 3 and 4 of this survey. The survey of
this location is identical with same as staked upon the
ground, and all survey corners are identical in position
with the respective location monuments.

U.S. Mineral Survey No. 4018.

LODE LINE. As near as can be determined from the present state of developement, the vein of this location extends S 45°16½'E - 400. feet and N 45°16½'W - 1100. feet from its discovery point.

LOCATION. This survey is located in the S.W.¼ of Section 13, T 23 S, R 10 E, G. & S.R.B. & M, surveyed but not approved, in the Oro Blanco Mining District, Santa Cruz County, Arizona. It lies within the Coronado National Forest.

ADJOINING AND CONFLICTING CLAIMS:-

This survey is adjoined by the Connecting Link Lode on the East and the Thirteen Lode on the South, both of Survey No. 3688. It has no known conflicts.

AREA:- Area ----- 20.626 Acres.

EXPENDITURE OF FIVE HUNDRED DOLLARS:-

I certify that the value of labor and improvements made upon or for the benefit of this claim, by the claimant or its grantors, is not less than Five Hundred Dollars, and that such improvements consist of:-

- No.1. Discovery Point, on center line 400.00 feet from the East End Center, marked with monument of stones 3½ feet high, whence center of ^{No. 2} Discovery shaft bears N 67° E, 28. feet. Shaft is 5x6-23 feet deep. Value \$250.00
- No.3. Cut, the center of mouth being on center line 336. feet from the east end center, runs S.E. 4x13 to 9 foot face, thence tunnel 4x6-32 feet to breast. Value \$365.00

OTHER IMPROVEMENTS:-

- Old shaft, 5x5x8' deep, the center of which bears N 55°50'W 18' ft. from the East End Center.
- Old cut, center of mouth bearing N 74°15'W, 553.00 feet from Cor. No.1, runs N.E. 4x11' to 10' face, thence tunnel 4x6-33 feet to breast.
- Old cut and tunnels - the south corner of mouth of cut bearing N 67°17'W, 677.50 from Cor. No.1. Cut runs in N.W. 20 feet, thence tunnel 73 feet to breast. From

point 34 feet in tunnel, a 31 foot crosscut tunnel connects with surface to N.E.

Frame house 40x12, the S.E.Cor. of which bears N 19°22'E 67.11 feet from Cor. No.2.

Frame house, 18x12, the S.E.Cor. of which bears N 33°37'W, 151.56 feet from Cor. No.2.

Frame house 50x12, the S.E.Cor.of which bears N 38°34'W, 174.43 feet, from Cor. No. 2.

INSTRUMENT. This survey was made with Dietzgen Transit No.7256. Courses were deflected from the true meridian as determined by direct solar observations. Distances were measured with 100 and 350 foot steel tapes.

REPORT:- U.S.Mineral Monument No.2, Oro Blanco Mining District, is a 2" iron pipe extending 6 feet above top of large flat monument of stones, 8 feet in diameter by five feet high. Pipe stamped U.S.M.M.No.2, O.B.D. Monument is located at top of prominent peak, and plainly visible from high points of this survey.

Corners of Survey No. 3688. Cor.No.3, Connecting Link Lode, and Cor. No.2, Thirteen Lode, heretofore described. Cor.No.1, Thirteen Lode, ident. with Cor.No.4, Connecting Link Lode, is a prysmoidal granite rock, 6x12 at top, marked ^X 3688, and on respective sides 1-#13, 4 CL, 2 O, 3-Julia. It is situated on a very steep hillside, with a 22" Oak B.T. aprox 10 feet S.W. Cor.No.3, Thirteen Lode, is a porphyry stone 8" above ground, scribed ^{x 3688} 3 #13., with monument of stones 3 feet S.W.

From notes of unapproved survey of T 23 S, R 10 E, and data from U.S.Mineral Survey No.3688, the S $\frac{1}{4}$ Cor. of Sec. 13, T 23 S, R 10 E, theoretically bears S 53°50'E, 1056.10 feet from Cor.No.2, Thirteen Lode, Sur.No.3688, identical with Cor. No.2, this survey. I ran the calculated line to such point, but in spite of very diligent search was unable to find any G.L.O. Corner within a radius of a hundred yards. I did find a small rock monument with hole in center which might

U.S. Mineral Survey No. 4018.

previously have contained a pipe monument, with larger monument of stones three feet to the east. Center of smaller mmt. bears S 52°41'E, 1106.13 feet from Cor. No. 2, this survey.

ERROR REPORT:° I find U.S. Mineral Survey No. 3688 in error as follows:-

Course Cor. No. 2, Thirteen Lode, to Cor. No. 3, Connecting Link Lode, is N 44° 9'E, 299.00 feet, vs. N 44° 5'E, 300.00 feet as reported.

Line 3-4, Connecting Link Lode, is S 44° 7'45"W, 499.19 feet, vs. S 44° 5'W, 500.00 feet as reported.

*See letter from Farnold
Aug. 18, 1927; relative
to to unadj. - sec. cor.,
and office letter to him
of Aug. 22, 1927.*

Paul E. Farnold.

United States Mineral Surveyor.

Washington, D.C., Sept. 15th, 1927.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald
 United States 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 _____
 _____ G. B. Williams _____
 known as the Nil Desperandum lode _____
 and showing the respective capacities in which they acted.

- _____ Ralph Lowthian _____, Chainman.
- _____, Chainman.
- _____, Axman.
- _____, Flagman.

FINAL OATHS OF ASSISTANTS.

~~We~~, I, Ralph Lowthian _____
 and _____, do solemnly swear that ~~we~~ assisted Paul E.
Fernald _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of G. B. Williams _____

 known as the Nil Desperandum lode _____
 represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his
 direction; and that said survey has been in all respects, to the best of ~~my~~ knowledge and belief, faithfully
 and correctly executed, and the corner and boundary monuments established according to law and the instruc-
 tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona.
~~United States Surveyor-General for~~ _____

- _____ Ralph Lowthian _____, Chainman.
- _____, Chainman.
- _____, Axman.
- _____, Flagman.

Subscribed and sworn to by the above-named persons before me this 7 th
 day of July, 1927.

*My Commission Expires
 June 14-1928*

James Buckley
 Notary Public



FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Paul E. Fernald, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated June 28, 1926, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of G. B. Williams, known as the Nil Desperandum lode, situate in Oro Blanco Mining District, Santa Cruz County, Arizona, in Section 13, Township No. 23 S, Range No. 10 E, G. & S. R. B. & M., Unapp'd., and designated as Survey No. 4018, 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 Office Cadastral Engineer with said instructions, and that all 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.

Paul E. Fernald, U. S. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald U. S. Mineral Surveyor, before me Tom K. Richey, Notary Public this 7th day of July, 1927.

My Commission Expires June 14 - 1928. Tom K. Richey, Notary Public.



U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE ON FIELD NOTES.

Department of the Interior, PUBLIC SURVEY OFFICE OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

January 4, 1928

I, U. S. Surveyor-General for OFFICE CADASTRAL ENGINEER, at Phoenix, Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of

G. B. Williams

known as the NIL DESPERANDUM lode

situate in Oro Blanco

Mining District, Santa Cruz County, Arizona

in Section 13, Township No. 23 S., Range No. 10 E., G. & S. R. B&M, and Unapp'd.

designated as Survey No. 4018, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

And I further certify that five hundred dollars' worth of labor has been expended or improvements made upon said mining claim by claimant or his grantors, and that said improvements consist of 1 shaft and 1 cut and tunnel, total value \$615.

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona, is correct and in conformity with the foregoing Field Notes.

John D. Adams

United States Surveyor-General for OFFICE CADASTRAL ENGINEER

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~~SURVEYOR GENERAL'S~~ CERTIFICATE OF APPROVAL OF FIELD NOTES
AND SURVEY OF MINING CLAIM

DEPARTMENT OF THE INTERIOR
~~OFFICE OF U. S. SURVEYOR GENERAL~~
PUBLIC SURVEY OFFICE

Phoenix, Arizona,

January 4, 1928

I, U. S. Surveyor General for ~~OFFICE, CADASTRAL ENGINEER~~, at Phoenix, Arizona,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the
Mining Claim of

G. B. Williams

known as the

NIL DESPERANDUM lode

situate in Oro Blanco mining district,

Santa Cruz County, Arizona

in Section 13, Township No. 23 S, Range No. 10 E., G. & SRB&M
Unapp'd.,

designated as Survey No. 4018

executed by Paul E. Fernald, U. S. Mineral

Surveyor, May 26 - 30, 1927, under my instructions dated

June 28, 1926, 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. The certified copy of the location certificate filed by the applicant for survey is

on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

U. S. Surveyor General for ~~OFFICE CADASTRAL ENGINEER~~

Supplement to Field Notes Mineral Survey No. 4018.

Tucson, Arizona,

October 30, 1931.

I, Paul E. Fernald, do hereby certify that markings placed by me on the cap on Cor. No. 4 of the Nil Desperandum lode, Mineral Survey No. 4018, are as follows: NIL DES. U.S.M.S. 4018, Cor. 4.

Paul E. Fernald.
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald, before me, this 30th day of October, 1931.

Sivita Potter
Notary Public.

(Seal)
~~My Commission expires~~ *My Commission Expires May 20, 1934*

(Copy certified Oct. 31, 1931 & fd. to Com.)