

4-683

MINERAL SURVEY No. 4020

ARIZONA

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Calvin B. Beach, Trustee.

KNOWN AS THE

PENNSYLVANIA, EAST KEYSTONE, and DOMINGO COPPER lodes

Wallapai

Mining District,

Mohave

County,

Arizona

Sections 18, 19, 13 & 24, Township 23 North, Range 17 & 18 West.

Surveyed under instructions dated August 21st., 19 26.

by Harry E. Jones,

U. S. Mineral Surveyor.

Claim located See location notices, 19

Survey commenced December 27th., 19 26.

Survey completed December 30th., 19 26.

Address of claimant C.W. Herndon, Kingman, Arizona,
Att'y. for Trustee claimant.

DATES OF AMENDED LOCATIONS.

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Feet

MINERAL SURVEY NO. 4020

Pennsylvania Lode

Beginning at Cor. No. 1, a 3 $\frac{1}{2}$ ft. $\frac{1}{2}$ in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-1-P; 4-EK; set 20 ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon. and Cor. 4 East Keystone lode of this survey.

The corner common to Sections 13 and 24, lying on the East boundary of T. 23 N. R. 18 W. bears S. 65° 45' E. 970.56 ft. No other suitable bearings available.

Thence S. 8° 54' W.

Along line 4-3 East Keystone lode of this survey.

307.44 To Southeast End Center, a substantial mound of stone, identical with the loc. mon. and the Northwest end center of the East Keystone lode of this survey.

614.88 To Cor. No. 2, a 3 $\frac{1}{2}$ ft. $\frac{1}{2}$ in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-2-P; 3-EK; 5-DC; set 18ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon. and Cor. 3 East Keystone lode and Cor. 5 Domingo Copper lodes both of this survey. No suitable bearings available.

Thence N. 68° 17' W.

Along line 5-4 Domingo Copper lode of this survey.

900.00 Cross center of road bearing NEly. and SWly.

995.99 To Cor. 4 Domingo Copper lode of this survey.

1150.00 Cross center of road bearing Nly. and Sly.

1449.45 To Cor. No. 3, a 3 $\frac{1}{2}$ ft. $\frac{1}{2}$ in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-3-P; set 18ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon.
No suitable bearings available.

Thence N. 8° 54' E.

302.64 To Northwest End Center, a substantial mound of stone identical with the loc. mon.

610.08 To Cor. No. 4, a 3 $\frac{1}{2}$ ft. $\frac{1}{2}$ in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-4-P; set 14ins. in ground and surrounded with a substantial mound of earth

Feet and rock, identical with the loc. mon.
 No suitable bearings available.
 The point for the NW. corner of Keystone lode, Gen.No.41,
 Lot 37, bears S.68°20'E. 474.43 ft. Thence S.24°45'W. 299.64 ft. to point
 for S.W. Cor, thence S. 65°15'E. 959.64 ft. to point for S.E. Cor, thence N. 24°45'E. 299.64
 ft. to point for N.E. Cor, thence N. 65°15'W. 959.64 ft. to point for N.W. Cor.
 Thence S. 68° 28' E.

365.00 Cross center of road, bearing NEly. and SWly.
 1200.00 Cross center of road bearing Nly. and Sly.
 1448.39 To Cor. No.1 the place of beginning.

 East Keystone Lode

Beginning at Cor. No. 1, a 3½ft. ½in. pipe with a 2in.
 brass cap marked U.S.MINERAL SURVEY NO.4020-1-EK; set 20
 ins. in ground and surrounded with a substantial mound of
 earth and rock, identical with loc. mon.
 The SE. corner of the Homepastime lode, uns. bears S.56°
 08'E. 345.87 ft.
 The ^{closing} corner ~~common~~ ^{of} to Sections 18 and 19, on the West bound-
 ary of T. 23 N. R. 17 W. bears N.88°22'W. 498.17 ft.
 No other suitable bearings available.

Thence S. 8° 54' W.

19.30 Intersect the South sideline of the Homepastime lode uns.
 whence the SE. corner bears S.59°06'E. 338.17 ft.
 307.44 To Southeast End Center, a substantial mound of stone,
 identical with the loc. mon.
 614.88 To Cor. No. 2, a 3½ft. ½in. pipe with a 2in. brass cap
 marked U.S.MINERAL SURVEY NO.4020-2-EK; set 18ins. in
 ground and surrounded with a substantial mound of earth
 and rock, identical with the loc. mon.
 No suitable bearings available.

Thence N. 67° 20' W.

240.00 Cross center of road, bearing NEly. and SWly.
 1041.29 To Cor.1 Domingo Copper lode of this survey.
 Along line 1-5 Domingo Copper lode of this survey.
 1500.00 To Cor. No. 3, identical with/Cor.2 Pennsylvania, and Cor.
 5 Domingo Copper lodes both of this survey, previously
 described.

- Feet Thence N. 8° 54' E.
- 307.44 To Northwest End Center, a substantial mound of stone, identical with the loc. mon. and Southeast End Center of Pennsylvania lode of this survey.
- 614.88 To Cor. No. 4, identical with loc. mon. and Cor. 1 Pennsylvania lode of this survey previously described.
- Thence S. 67° 20' E.
- 1315.00 Cross center of road bearing NWly. and SEly.
- 1375.04 Intersect the South sideline of the Homepastime lode uns. at N. 59° 06' W. 469.07 ft. from the SE. corner.
- 1500.00 To Cor. No. 1 the place of beginning.

Domingo Copper Lode

Beginning at Cor. No. 1, a 3½ft. ¼in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-1-DC; set 20 ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon.
 The ^{closing} corner ^{of} common ~~to~~ Sections 18 and 19, on the West boundary of T. 23 N. R. 17 W. bears N. 68° 25' 30" E. 599.42 ft.
 No other suitable bearings available.
 On line 2-3 East Keystone lode of this survey.

Thence S. 29° 00' W.

- 300.00 To Southeast End Center, a substantial mound of stone, identical with loc. mon.
- 600.00 To Cor. No. 2, a 3½ft. ¼in. pipe with a 2in brass cap marked U.S. MINERAL SURVEY NO. 4020-2-DC; set 18ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon.

Thence N. 51° 28' W.

- 1387.00 Cross center of road bearing NEly. and SWly.
- 1464.07 To Cor. No. 3, a 3½ft. ¼in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-3-DC; set 20ins. in ground and surrounded with a substantial mound of earth and rock, identical with the loc. mon.

Thence N. 29° 00' E.

- 150.00 To Northwest End Center, a substantial mound of stone, identical with the loc. mon.

Feet
180.68 To Cor. No. 4, a 3½ft. ½in. pipe with a 2in. brass cap marked U.S. MINERAL SURVEY NO. 4020-4-DC; set 18ins. in ground and surrounded with a substantial mound of earth and rock, whence the loc. mon. bears N. 29° 00' E. 119.32 ft. No suitable bearings available.

On line 2-3 Pennsylvania lode of this survey.

Thence S. 68° 17' E.

Along line 3-2 Pennsylvania lode of this survey.

95.99 Cross center of road bearing NEly. and SWly.

995.99 To Cor. No. 5, identical with loc. mon. and Cor. 2 Pennsylvania lode and Cor. 3 East Keystone lode, both of this survey, previously described.

Thence S. 67° 20' E.

Along line 3-2 East Keystone lode of this survey.

458.71 To Cor. No. 1, the place of beginning.

The mean magnetic variation at all corners is 15° 15' East.

LODE LINES

As near as can be determined from the present development the veins of the locations embraced in this claim extend as follows from their respective discovery points:

Pennsylvania lode, N. 68° 28' W. 30 ft. and S. 68° 28' E. 1418.39 ft.

East Keystone lode, N. 67° 20' W. 700 ft. and S. 67° 20' E. 800 ft.

Domingo Copper lode, N. 57° 20' W. 1286.86 ft. and S. 57° 20' E. 160 ft.

AREA

Total area Pennsylvania lode, 19.872 Ac.

Area in conflict with:

Keystone lode, Gen. No. 41 (Lot 37) 6.601

Total area East Keystone lode, 20.565

Area in conflict with:

Homepastime lode uns. 0.027

Total area Domingo Copper lode, 13.025

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LOCATION

This survey is located in Sections 18 and 19; 13 and 24, respectively of T. 23 N. R. 17 and 18 W. Gila and Salt River base and Meridian, Mohave County, Arizona:

EXPENDITURE OF FIVE HUNDRED DOLLARS

I certify that the value of the labor and improvements made upon or for the benefit of the locations embraced in said mining claim by the claimant or his grantors is not less than Five Hundred Dollars, and that said improvements consist of:

Pennsylvania Lode

No.1 Dis. cut 5x21x9 ft. face and tunnel 4x6x35 ft. long the mouth of which bears N.70°13'W. 351 ft. from an arbitrary point which bears S.35°15'E. 570 ft. from Cor.4; this cut and tunnel runs NWly from the mouth and crosses the lode line of said claim at a point S.68°28'E. 30 ft. from the NW. end center. Value \$ 500.00

No.2 cut 15x50x18 ft. face and tunnel 4x6x90 ft. running NWly. the mouth of which bears N.55°06'W. 285 ft. from the above described arbitrary point. Value \$ 1400.00

No.3 shaft 4x6x100 ft. deep is located in No.2 cut at 30 ft. from the mouth. Value \$ 1500.00

No.4 shaft 6x14x185 ft. deep timbered, the center of which bears N.6°34'W. 118 ft. from the said arbitrary point. Value \$ 5650.00

No.5 shaft 4x6x40 ft. deep timbered, the center of which bears N.45°18'W. 225 ft. from said arbitrary point. Value \$ 800.00

No.6 shaft 5x7x30 ft. deep timbered, the center of which bears N.12°32'E. 152 ft. from said arbitrary point. Value \$ 600.00

No.7 shaft 4x6x25 ft. deep, the center of which bears N.14°10'W. 115 ft. from the \$22.24 ft. point on line 1-2. Value \$ 250.00

No.8 shaft 4x6x50 ft. deep, the center of which bears

N.49°30'W. 12 ft. from the 322.24 ft. point on line 1-2.

Value \$ 500.00

No.9 shaft 4x6x50 ft. deep, the center of which bears

N.89°W. 65 ft. from the 322.24 ft. point on line 1-2.

Value \$ 500.00

East Keystone Lode

No.1 Dis. shaft 4x6x8 ft. deep caved the center of which bears S.67°20'E. 700 ft. from the NW. end center.

Value \$ 100.00

No. 2 cut 4x20x9 ft. face and tunnel 4x6x96 ft. long with crosscut 4x6x30 ft. long from end, cut and tunnel run NWly. from mouth and crosscut run SWly. at right angles from tun. the mouth of which bears S.54°57'W. 478 ft. from the cor. common to Sections 13 and 24 described herein.

Value \$ 1400.00

No.3 shaft 4x6x8 ft. deep, the center of which bears S.58°27'W. 490 ft. from the aforesaid section corner.

Value \$ 100.00

No.4 shaft 4x6x10 ft. deep, the center of which bears S.75°42'W. 305 ft. from the said section corner.

Value \$ 100.00

No.5 shaft 4x6x10 ft. deep the center of which bears S.89°22'W. 250 ft. from the said section corner.

Value \$ 100.00

No.6 shaft 4x6x10 ft. deep the center of which bears N.86°03'W. 200 ft. from the said section corner.

Value \$ 100.00

No.7 shaft 4x6x10 ft. deep the center of which bears S.66°22'W. 145 ft. from the said section corner.

Value \$ 100.00

No.8 shaft 4x6x10 ft. deep the center of which bears S.66°22'W. 220 ft. from the said section corner.

Value \$ 100.00

No.9 shaft 4x6x90 ft. deep timbered, the center of which bears S.44°17'W. 200 ft. from said section corner.

Value \$ 1800.00

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No.10 cut 4x15x8 ft. facing SEly. the mouth of which bears S.28°07'W. 230 ft. from said section corner.

Value \$ 100.00

No.11 shaft 4x6x40 ft. deep caved, the center of which bears S.21°18'E. 680 ft. from said section corner.

Value \$ 400.00

No.12 shaft 4x6x10 ft. deep, the center of which bears S.24°28'E. 690 ft. from said section corner.

Value \$ 100.00

No.13 shaft 4x6x10 ft. deep, the center of which bears N.74°43'W. 235 ft. from Cor.1;

Value \$ 100.00

Domingo Copper Lode

No.1 Dis. shaft 4x6x50 ft. deep timbered, the center of which bears N.57°20'W. 160 ft. from the SE. end center.

Value \$ 750.00

OTHER IMPROVEMENTS

The SE. corner of a concrete leaching vat/^{25ftN.&50ft.W.}bears S.64°02'W. 190 ft. from said arbitrary point on Pennsylvania lode.

The SE. corner of a concrete mill foundation 40ft.W. and 80 ft. N. bears S.82°31'W. 160 ft. from said arbitrary point on Pennsylvania lode.

The SW. corner of a concrete engine foundation 24 ft. N. and 30 ft. E. bears N.30°30'E. 22 ft. from said arbitrary point on Pennsylvania lode.

The arbitrary point is a middle bolt in a concrete foundation 9x15 ft.

The SW. corner of a frame house 12x15 ft. bears S.89°38'E. 282 ft. from said arbitrary point on Pennsylvania lode.

The/^{center of the}Main shaft of the Keystone lode, Gen.No.41, (Lot 37) bears N.87°51'E. 324 ft. from said arbitrary point on Pennsylvania lode. This shaft is 4x8x300 ft. deep timbered and at the 150 ft. level drifts run N.75°40'W. 4x6x700 ft. and S.75°40'E. 4x6x500 ft., at the 300 ft. level drifts run N.75°40'W. 4x6x300 ft. and S.75°40'E. 4x6x300 ft. and a crosscut runs N.14°20'E. 4x6x100 ft. from the end of which drifts run N.75°40'W. 4x6x100 ft. and S.75°40'E.250 ft.

SW. cor.

The Stone shop 18x24 ft. bears N.87°51'E. 345 ft. from said arbitrary point on Pennsylvania lode.

A shaft 6x6x100 ft. deep timbered, bears N.83°17'E. 410 ft. from said arbitrary point on Pennsylvania lode.

A shaft 4x6x15 ft. deep bears N.75°15'W. 125 ft. from the 322.24 ft. point on line 1-2 Pennsylvania lode.

A shaft 4x6x40 ft. deep bears N.60°25'W. 205 ft. from the 322.24 ft. point on line 1-2 Pennsylvania lode.

ADJOINING CLAIMS

This claim is bounded on the West by Big Boy lode uns. Mrs. E.W.Kay, claimant, on the North by Airplane lode uns. L. Mayo, claimant, public domain, and Homepastime lode uns. Joe Prisk, claimant, on the East by Golden Copper No.1 lode uns. Andy Brown, claimant, on the South by St. Padre lode uns. Andy Brown-claimant, and Annie lode uns. Geo. Taylor and John Riggs, claimants.

INSTRUMENT

This survey was made with a light mountain W.&L.E.Gurley transit.

The courses were deflected from a true meridian as determined by direct solar observations.

The distances were measured with a 660 ft. steel tape.

REPORT

The public land cornersto which this survey is tied are bronze capped pipes properly set and marked.

I was unable to find the corners of the Keystone lode, Gen. No.41, (Lot 37) and as the record tie ~~to~~ ^{from} the section corner did not fit the location identified by old time residents of the district who have known the claim ever since its location as the Keystone, with its main shaft and adjacent ground. Know^{ing} of no other means of identification other than the main shaft, I therefore was compelled to use same for the controlling location, using the record courses and distances therefrom.

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and by so doing this made the location of the ground of said Keystone lode, Gen.No.41,(Lot37) conform as near as was possible to that identified by said old time residents and other old improvements which would lead one to believe was the original mining location along the vein which is well defined and worked.

The location of the Keystone lode, Gen.No.41,(Lot 37) as set forth in these notes and plat/^{is}entirely within the exterior boundaries of the Pennsylvania lode of this survey/^{and}does not cause an adverse conflict as the claimant of this claim also owns said Keystone lode.

U. S. Mineral Surveyor.



U. S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Harry E. Jones
 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 _____
 _____ Calvin B. Beach, Trustee, _____
 known as the Pennsylvania, East Keystone, and Domingo Copper Lodes _____
 and showing the respective capacities in which they acted.

_____ Ben Mollette, _____, *Chainman.*
 _____ Harry Smith, _____, *Chainman.*
 _____, *Arman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, Ben Mollette, _____
 and Harry Smith _____, do solemnly swear that we assisted _____
Harry E. Jones, _____, United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of _____
 _____ Calvin B. Beach, Trustee, _____
 known as the Pennsylvania, East Keystone, and Domingo Copper Lodes, _____
 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 our 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 _____

Ben Mollette _____, *Chainman.*
Harry Smith _____, *Chainman.*
 _____, *Arman.*
 _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 3rd. _____

day of January _____, 1927.

Ralph A. Phillip

 _____, *Notary Public.*

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Harry E. Jones, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated August 20th. 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 Calvin B. Beach, Trustee, known as the PENNSYLVANIA, EAST KEYSTONE and DOMINGO COPPER Lodes, situate in Yallapai Mining District, Mohave County, Arizona, in Section 18-19 & 23-24, Township No. 23 N., Range No. 17 and 18 W. G&SR&M., and designated as Survey No. 4020, 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.

Harry E. Jones
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Harry E. Jones, U. S. Mineral Surveyor, before me a notary public in and for the State of Arizona, County of Maricopa this 3rd day of January, 1927.

Ralph A. Phillips
Notary Public.

My commission expires June 23rd. 1927.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,
PUBLIC SURVEY OFFICE

Phoenix, Arizona,

April 9, 1927.

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

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

Calvin B. Beach, Trustee

known as the PENNSYLVANIA, EAST KEYSTONE, and DOMINGO COPPER lodes situate in Wallapai

Mining District, Mohave County, Arizona

in Sections 18, 19, 13, 24, Township No. 23 N., Range No. 17 W., and 18 W., and designated as Survey No. 4020, 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 claims by claimant or his grantors, and that said improvements consist of 19 shafts, 4 cuts, 3 tunnels and 1 crosscut, total value \$17,050.

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

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona,

April 9, 1927

I, 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 _____

Calvin B. Beach, Trustee

_____, known as the

PENNSYLVANIA, EAST KEYSTONE, and DOMINGO COPPER lodes

situate in Wallapai mining district,

Mohave County, Arizona

in Sections 18 & 19 and 13 & 24, Township No. 23 N., Range No. 17 W., and
23 N., 18 W.

_____, designated as Survey No. 4020

executed by Harry E. Jones, U. S. Mineral

Surveyor, December 27 - 30, 1926, under my instructions dated

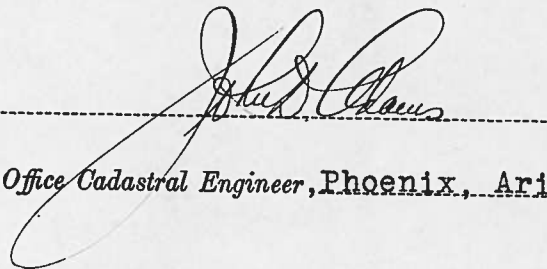
August 21, 1926, have been critically examined and the necessary

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.



Office Cadastral Engineer, Phoenix, Arizona