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MINERAL SURVEY No. 3446

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Kitty C. Crain and Elizabeth Moe,

KNOWN AS THE

CARBINE and SOUTH CARBINE Lodes

Big Bug Mining District,

Yavapai County, Arizona.

Sections 17 and 20, Township 12 North, Range 1 East. G&SRB&M.

Surveyed under instructions dated October 8th., 1917.

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

Claim located See location notices., 19

Survey commenced May 24th., 1920.

Survey completed May 26th., 19 20.

Address of claimant H. N. Crain, Agent; Jerome, Arizona.

DATES OF AMENDED LOCATIONS.

MINERAL SURVEY NO. 3446

Feet	CARBINE Lode
	Beginning at Cor. No. 1
	Identical with location monument and NW. cor No.3 lode Uns.
	A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked U.S. MINERAL SURVEY NO. 3446-C-1; set 18ins. in ground and surrounded with a substantial mound of earth and rock.
	The $\frac{1}{4}$ corner common to Sections 16 and 17; T. 12 N. R. 1 E. G&SRB&M. bears N. 83° 22' E. 3368.67 ft.
	No other suitable bearings available.
	Thence S. 22° 28' W.
	Along the W. side line of No.3 lode Uns.
827.00	Cross center of 10 ft. wash course SE.
1500.00	To Cor. No. 2
	Identical with location monument, and Cor.1 South Carbine lode this survey, and SW. cor. No.3 lode Uns. and NW. cor. No.4 lode Uns.
	A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked U.S. MINERAL SURVEY NO. 3446-C-2-SC-1; set 18ins. in ground and surrounded with a substantial mound of earth and rock. No suitable bearings available.
	Thence N. 67° 32' W.
	Along line 1-4 South Carbine lode this survey.
300.00	To South End Center
	Identical with location monument, and North End Center of South Carbine lode this survey; a substantial mound of stone.
600.00	To Cor. No. 3
	Identical with location monument, and Cor. No. 4 South Carbine lode this survey, and SE. cor. No.1 lode Uns. and NE. cor. No.2 lode Uns.
	A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked U.S. MINERAL SURVEY NO. 3446-C-3-SC-4; set 18ins. in ground and surrounded with a substantial mound of earth and rock.
	No suitable bearings available.
	Thence N. 22° 28' E.
	Along the E. side line of No.1 lode Uns.

Feet	
630.00	Cross center of 10 ft. wash course SE.
1446.20	Cross center of 4in. water pipe line course N.84°11'E.
1500.00	To Cor. No. 4
	Identical with location monument, and NE. cor. No.1 lode Uns.
	A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked
	U.S.MINERAL SURVEY NO.3446-C-4; set 18ins. in ground and
	surrounded with a substantial mound of earth and rock.
	No suitable bearings available.
	Thence S. 67° 32' E.
100.00	Cross center of 4in. water pipe line course N.84°11'E.
300.00	To North End Center.
	Identical with loc.mon. a 4x4in. redwood post marked NEC-
	C-3446; and surrounded with a substantial mound of earth
	and rock.
600.00	To Cor. No. 1 the place of beginning.
	SOUTH CARBINE Lode
	Beginning at Cor. No. 1
	Identical with location monument, and SW. cor. No.3 lode
	Uns. and NW. cor. No.4 lode Uns. and Cor.2 Carbine lode
	this survey previously described.
	The $\frac{1}{4}$ corner common to Sections 16 and 17; T. 12 N. R. 1 E.
	G&SRB&M. bears N. 65° 38' E. 4302.63 ft.
	No other suitable bearings available.
	Thence S. 22° 28' W.
	Along the W. side line No.4 lode Uns.
503.00	Cross center 5 ft. wash course SE.
709.00	Cross center 10 ft. wash course E.
1395.00	Cross center 5 ft. wash course E.
1500.00	To Cor. No. 2
	Identical with location monument, and SW. cor. No.4 lode Uns.
	A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked
	U.S.MINERAL SURVEY NO.3446-SC-2; set 18ins. in ground and
	surrounded with a substantial mound of earth and rock.
	No suitable bearings available.
	Thence N. 67° 32' W.

Feet
300.00 To South End Center
Identical with location monument, a 4x4in. redwood post marked SEC-SC-3446; and surrounded with a substantial mound of earth and rock.

600.00 To Cor. No. 3
Identical with location monument, and SE. cor. No. 2 lode Uns.
A 3ft. $\frac{3}{4}$ in. iron pipe with a 2in. dia. screw brass cap marked U.S. MINERAL SURVEY NO. 3446-SC-3; set 18ins. in ground and surrounded with a substantial mound of earth and rock.

No suitable bearings available.
Thence N. 22° 28' E.
Along the E. side line No. 2 lode Uns.

427.00 Cross center of 10 ft. wash course NE.

1500.00 To Cor. No. 4
Identical with location monument, and SE. cor. No. 1 lode Uns. and NE. cor. No. 2 lode Uns. and Cor. 3 Carbine lode this survey previously described.

No suitable bearings available.
Thence S. 67° 32' E.
Along line 3-2 Carbine lode this survey.

300.00 To North End Center
Identical with location monument, and South End Center of Carbine lode this survey previously described.

600.00 To Cor. No. 1 the place of beginning.

Mean Magnetic Variation at all corners 14° 15' E.

LODE LINES

As near as can be determined from the present developments the veins of the several locations embraced in this claim extend as follows from their respective discovery points:
Carbine lode; N. 22° 28' E. 1273.0 ft. and S. 22° 28' W. 227.0 ft.
South Carbine lode; N. 22° 28' E. 220.0 ft. and S. 22° 28' W. 1280.0 ft.

AREA

AREA

Total area Carbine lode; 20.661 Acres
 Total area South Carbine lode; 20.661 Acres

LOCATION

This survey is located in the SW $\frac{1}{4}$ Section 17; Uns. and NW $\frac{1}{4}$ Section 20; Uns. T. 12 N. R. 1 E. G&SRB&M. in the Prescott National Forest; Big Bug Mining District, Yavapai County, Arizona.

ADJOINING CLAIMS

This survey is bounded on the North by Public land; on the East by No.3 and 4 lodes Uns. owned by the claimants; on the South by Public land; and on the West by No.1 and 2 lodes Uns. owned by the claimants, of this survey.

EXPENDITURE OF FIVE HUNDRED DOLLARS

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

Carbine Lode

No.1 Dis. shaft inclines to SE. 4x6x38 ft. deep, the collar of which bears N.74°10'E. 364.0 ft. from Cor. No. 3; the bottom of which bears N.22°28'E. 227.0 ft. from the South End Center.

Value \$ 570.00

An undivided $\frac{1}{2}$ interest in improvement No.2 South Carbine lode this survey is assigned to this lode.

Value \$ 2460.00

South Carbine Lode

No.1 Dis. cut 5x15x10 ft. facing SW. and tunnel from face of cut running E. 4x6x6 ft. the face of which cut bears S.30°46'E. 364.0 ft. from Cor. 4 and the tunnel which bears S.22°28'W. 220.0 ft. from the North End Center.

Value \$ 160.00

No.2 shaft 4x6x120 ft. deep timbered partially; at the 35ft. *bears S.22°28'W. 50 ft. from the North End Center,*

level a drift bears N.22°28'E. 4x6x12 ft. from which point cross-cuts bear S.67°32'E. 4x6x15ft. and N.67°32'W.4x6x15 ft.

At the 55 ft. level in shaft a drift bears N.22°28'E. 4x6x12 ft. from which point cross-cuts bear S.67°32'E. 4x6x15ft. and N.67°32'W. 4x6x15ft.

At the 120 ft. level in shaft a cross-cut bears S.67°32'E. 4x6x12 ft. Total Value \$ 4920.00

An undivided $\frac{1}{2}$ interest in this improvement is assigned to this lode. Value \$ 2460.00

OTHER IMPROVEMENTS

A 14x16 tent frame bears S.10°40'W. 115.0ft. from Cor.4 South Carbine lode.

INSTRUMENT

This survey was made with a W.& L.E.Gurley light mountain transit. The courses were deflected from a true meridian determined by direct solar observations. The distances were measured with 50 ft. and 660 ft. steel tapes.

REPORT

The lines of each location of this claim were run directly upon the ground, and the corners established by measuring along these lines. All tie lines were run directly upon the ground.

The Public land corner to which this survey is tied is a bronze capped pipe properly marked and in good condition.

Harry E. Jones
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 _____
Kitty C. Crain, and Elizabeth Moe,
 known as the CARBINE and SOUTH CARBINE lodes
 and showing the respective capacities in which they acted.

_____, *Chairman.*
 _____, *Chairman.*
 _____, *Arman.*
 _____, *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, L. R. Hansen,
 and _____, 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 _____
Kitty C. Crain, and Elizabeth Moe,
 known as the CARBINE and SOUTH CARBINE 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 United States Surveyor-General for Arizona.

L. R. Hansen, *Chairman.*
 _____, *Chairman.*
 _____, *Arman.*
 _____, *Flagman.*

Subscribed and sworn to by the above-named persons before me this 27th.

day of May, 1920.

Joseph A. Phieps

_____, *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 United States Surveyor General for Arizona, dated October 8th. 1917., 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 Kitty C. Crain and Elizabeth Moe, known as the CARBINE and SOUTH CARBINE lodes, situate in Big Bug Mining District, Yavapai County, Arizona, in Sections 17 & 20, Uns., Township No. 12 N., Range No. 1 E. G&SRB&M., and designated as Survey No. 3446, 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.

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 County of Maricopa, State of Arizona. this 27th. day of May, 1920.

Ralph A. Phillips
Notary Public.

" South Carbine. "

Notice of Location.

2074-1917

Know all men by these presents; That we the undersigned, have this day located 1500 feet of this vein, or lode, bearing precious metals with all dips, spurs, angles, and variations, with surface ground 300 feet on each side of vein, with all Mineral Deposits contained therein, and all Timber and Water thereon or appurtenant thereto, according to the provisions of the United States Mining Laws.

The exterior boundaries are as follows,

Commencing at a monument of stone, on west boundary line distant 300 feet in a westerly direction from discovery monument ; thence in a northerly direction parallel with the ledge """""" feet to monument at N. W. corner ; thence in an easterly direction at right angles across the ledge 600 feet to monument at N. E. corner; thence in a southerly direction parallel with the ledge 1500 feet to monument at S. E. corner; thence at right angles across the ledge in a westerly direction 600 feet to monument at S. W. corner; thence in a northerly direction parallel with the ledge """""" feet to monument on west boundary and place of beginning.

This claim is in Big Bug Mining District, Yavapai County, Arizona, and may be more generally , described as situated about one half mile west of The Hackberry Mine and shall be known as the South Carbine Mining Claim.

Dated on the ground this 14 day of February , 1899.

Mrs Kitty Crain
Guss Moe.

Recorded at request of Guss Moe May 10" A. D. 1899. at 9 o'clock A. M. In Book 51 of Mines , pages 218 and 219 , Records of Yavapai County, Arizona.

(Seal)

W. I. Johnson,
County Recorder.

By E. C. Averyt.
Deputy.

" Carbine. "

Notice of Location.

Know all men by these presents. That we the undersigned have this day located 1500 feet of this vein or lode, bearing precious metals with all dips, spurs, angles and variations, with surface ground 300 feet on each side of vein, with all Mineral deposits contained therein, and all Timber and Water thereon or appurtenant thereto according to the provisions of the United States Mining Laws.

The exterior boundaries are as follows,

Commencing at a monument of stone on West boundary line distant 300 feet in a Westerly direction from discovery monument, thence in a northerly direction parallel with the ledge " " " feet to monument at N. W. corner, thence in an easterly direction at right angles across the ledge 600 feet to monument at N. E. corner, thence in a southerly direction parallel with the ledge 1500 feet to monument at S. E. corner, thence at right angles across the ledge in a westerly direction 600 feet to monument at S. W. corner, thence in a northerly direction parallel with the ledge " " " " " feet to monument on West boundary and place of beginning.

This claim is in Big Bug Mining District, Yavapai County, Arizona, and may be more generally described as situated about, one half mile west of the Hackberry Mine and shall be known as the Carbine Mining Claim.

Dated on the ground, this 14 day of February 14 1899.

Mrs Kitty Crain.

Guss Moe.

Recorded at request of Guss Moe May 10th A. D. 1899, at 9 o'clock A. M. in Book 51A of Mines pages 216 and 217. Records of Yavapai County, Arizona.

(Seal)

W. I. Johnson,
County Recorder,

By E. C. Averyt.

STATE OF ARIZONA,)
) SS
COUNTY OF YAVAPAI.)

I, EDITH RUFFNER , County Recorder in and for the aforesaid County of Yavapai and State of Arizona, and Custodian of the Records of such Office ; DO HEREBY CERTIFY that I have compared the foregoing Copies with, and that the same are full, true and correct Copies of the Original Mining Location Notices of the Carbine and the South Carbine Lode Mining Claims, as the same appear of record in Book 5I of Mines, at Pages 2I6 to 2I9 inclusive, of the Records of my said Office.

IN WITNESS WHEREOF , I have hereunto set my hand and affixed my Official Seal . this 27th day of September ,
A. D. 1917.



Edith Ruffner

COUNTY RECORDER
OF
YAVAPAI COUNTY
ARIZONA.

By *Willie Butler*

Deputy Recorder.

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

June 15, 1920

I, U. S. Surveyor-General for Arizona,

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Kitty C. Crain and Elizabeth Moe.

known as the Carbine and South Carbine Lodes

situate in Big Bug

Mining District, Yavapai County, Arizona.

in Sections 17 and 20 Township No. 12 North, Range No. 1 East, G&SRB&M., and uns.

designated as Survey No. 3446, 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 their grantors, and that said improvements consist of 2 shafts, 1 cut, 1 tunnel, 2 drifts and 5 crosscuts, total value \$5650.

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.

Frank P. Trott,

United States Surveyor-General for Arizona.

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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

Phoenix, Arizona.

June 15, 1920

I, U. S. Surveyor General for Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of Kitty C. Crain and Elizabeth Moe

....., known as the
Carbine and South Carbine Lodes

situate in Big Bug mining district,
Yavapai County, Arizona

in Section 17 and 20 uns., Township No. 12 North, Range No. 1 East

G&SRB&M, designated as Survey No. 3446

executed by Harry E. Jones, U. S. Mineral
Surveyor, May 24-26, 1920, under my instructions dated

October 8th, 1917 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 Arizona.