

MINERAL SURVEY No. 4193

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Catherine Ryan

KNOWN AS THE

Iron Chief lode

Peck Mining District,

Yavapai County, Arizona.

Approx. Sections 17 & 20, Township 11 N., Range 1 E., Unsur.

Surveyed under instructions dated January 30, 1937

By Harlow D. Phelps U. S. Mineral Surveyor.

Claim located November 7, 1899, 19

Survey commenced Sept. 5, 1937

Survey completed Sept. 10, 1937

Address of claimant Leo T. Stack, Atty., Box 252, Prescott, Arizona.

DATES OF AMENDED LOCATIONS

October 25, 1936.

MINERAL SURVEY No. 4193,

Feet

Mineral Survey No. 4193 was made with a Gurley Precise Transit No. 241014, model No. 92, with horizontal limb 5.65 ins. diam., having two double opposite verniers and full vertical circle 5 ins. diam., having one double vernier; the verniers read to one minute of arc. Extra eye piece equipped with colored glass was used for making direct observation upon the sun. The instrument was in good condition at the time of this survey and all adjustments were in good order. An a.m. altitude observation of the sun for azimuth and at noon, on the meridian, for latitude and time, were made at a point on the east side line of the claim, the details of which observations and calculations are shown in the calculation sheets herewith submitted for approval. All azimuths in this record are referred to the true meridian thus determined, by the method of deflection angles and calculated courses.

The lines were measured with a Lufkin steel tape 500 feet in length, graduated every foot for the entire length, each end foot being graduated in tenths and hundredths; the tape was compared with a Lufkin standard at a time before the beginning of the survey and found to be correct.

All lines and connections of this survey were run by direct methods.

The magnetic variation observed at each corner of the survey gave a uniform value of 15° 00' E.

IRON CHIEF LODGE

Beginning at Cor. No. 1 of the Iron Chief lode, which agrees with a corner of the location, where I -

Set a galvanized iron post, 3 ft. 6 in. long, 1 in. diam., 20 ins. in ground to bed rock and in mound of stone, for Cor. No. 1 with brass cap mkd. USMS X IC-1 - 4193; from which

USMM. No. 2, Peck Mining District, surveyed, bears N 73° 32' W., 1598.3 ft. dist., a granite rock marked, USMM. No. 2, along side a mound of stone.

Cor. No. 2 Sur. No. 2346 Pen lode bears S 2° 20' 30" E., 450.2 ft. dist.

Cor. No. 1 Sur. No. 2346 Extension No. 2 lode bears S 19° 20' E., 286.8 ft. dist.

A metamorphosed schist ledge, 1.0 ft. above ground, bears N 62° 20' W., 5.5 ft. dist., mkd. X BR IC - 1 - 4193.

Thence S 62° 15' E.

226.55 Intersect line 2 - 3 Sur. No. 2346 Pen lode at a point from which Cor. No. 3 bears N 27° 52' 20" E., 1107.70 ft. dist., and Cor. No. 2 bears S. 27° 52' 20" W. 389.52 ft. dist.

300.00 The south end center, agreeing with the south end center of the location, being a mound of stone 3 ft. high, 3 ft. base.

314.94 Intersect line 1 - 4 Sur. No. 2346 Extension No. 2 lode at a point from which Cor. No. 1 bears S 55° 59' 35" W., 221.68 ft. dist.

375.0 Gulch, course S 70° E.

392.05 Intersect line 1 - 4 Sur. No. 2346 Sylvia lode at a point from which Cor. No. 4 bears N 27° 10' E., 1474.62 ft. dist.

600.00 Cor. No. 2

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Feet	Agrees with a corner of the location.
	Set a galvanized iron post 3 ft. 6 in. long 1 in. diam., 24 ins. in ground and in mound of stone to top, for Cor. No. 2 with brass cap mkd. USMS X IC - 2 - 4193; from which
	The east face of a metamorphosed schist outcrop, 3 ft. above ground, bears N 82° 10' W., 72.2 ft. dist. mkd. X BR IC - 2 - 4193.
	Thence N 27° 45' E.
40.0	Gulch, course S 70° E.
250.0	Abandoned aerial tram line, course S 33° 30' E.
530.68	Intersect line 1 - 4 Sur. No. 2346 Extension No. 2 lode at a point from which Cor. No. 1 bears S 55° 59' 35" W., 824.07 ft. dist., and Cor. No. 4 bears N 55° 59' 35" E. 634.43 ft. dist.
790.0	Gulch, course S 70° E.
1476.76	Intersect line 3 - 4 Sur. No. 2346 Sylvia lode at a point from which Cor. No. 4 bears N 62° 49' W., 222.96 ft. dist.
1497.2	Cor. No. 3
	Agrees with a corner of the location.
	Set a galvanized iron post, 3 ft. 6 ins. long 1 in. diam., 18 ins. in ground and in mound of stone to top, for Cor. No. 3, with brass cap mkd. USMS X IC - 3 - 4193; from which
	Cor. No. 4 Sur. No. 2346 Sylvia lode bears N 68° 03' W., 224.1 ft. dist.
	Ab quartzite boulder, 2.5 ft. x 5.02 ft., 3.5 ft. above ground, bears S 66° 56' W., 67.8 ft. dist.; mkd. X BR IC - 3 - 4193.
	Thence N 62° 15' W
300.0	The north end center, agreeing with the north end center of the location, being a mound of stone 3 ft. high 3 ft. base.
600.0	Cor. No. 4
	Agrees with a corner of the location.
	Set a galvanized iron post 3 ft. 6 ins. long 1 in. diam., 21 ins. in ground and in mound of stone to top, for Cor. No. 4 with brass cap mkd. USMS X IC - 4 - 4193; from which
	Cor. No. 3 Sur. No. 2346 Pen lode bears S 2° 41' 30" E., 451.8 ft. dist.
	The east side of an outcropping schist ledge, 2 ft. above ground bears S 85° 45' W., 19.8 ft. dist. mkd. X BR IC - 4 - 4193.
	Thence S 27° 45' W.
389.0	Intersect line 3 - 4 Sur. 2346 Pen lode at a point from which Cor. No. 3 bears S 62° 7' 40" E., 228.91 ft. dist., and Cor. No. 4 bears N 62° 7' 40" W. 101.3 ft. dist.
1497.2	Cor. No. 1 and place of beginning.

LODE LINES

The presumed course of the vein of the lode location

MINERAL SURVEY NO. 4193.

embraced in this survey, counting from the point of discovery is as follows:-

Iron Chief lode, S. 27° 45' W., 300.0 ft. and N 27° 45' E., 1197.2 ft.

AREAS.

	Acres
Total area, Iron Chief lode - - - - -	20.623
Area in conflict with -	
Sur. No. 2346 Pen lode - - - - -	5.792
Sur. No. 2346 Sylvania lode - - - - -	7.299
Sur. No. 2346 Extension No. 2 lode - - - - -	1.736
Sur. No. 2346 Extension No. 2 lode, exclusive of its conflict with Sylvania lode - - - - -	0.125
Sur. No. 2346 Sylvania lode, exclusive of its conflict with Extension No. 2 lode - - - - -	5.688
Sur. No. 2346,	

LOCATION

T.11 N.,

This survey is located approximately in Secs. 17, & 20, R. 1E., unsurveyed, of the G. and S.R.M., Arizona, unsurveyed.

EXPENDITURE OF \$500.

I certify that the value of labor and improvements made upon or for the benefit of this lode ~~embraced in said mining claim~~ by the claimant or her grantors is not less than \$500., and that said improvements consist of:

- No. 1 The discovery cut of the Iron Chief lode, the face of which being the discovery point, is on the lode line, N 27° 45' E., 300. ft. from the south end center, 10 ft. wide, 12 ft. face; runs N 22° W., 25 ft. to face.
Value, \$100.
- No. 2 A shaft, the center of which bears N 12° E., 495. 0 ft. from Cor. No. 2 of this survey; 5 x 7 ft., 50 ft. deep, partly timbered.
Value, \$1000.

OTHER IMPROVEMENTS

A tunnel, 4.5 x 6 ft. in size, the portal of which bears N 38° 30' E., 680. ft. from Cor. No. 1 of this survey and runs S 40° W., 30 ft. to face.
Claimant unknown.

A caved tunnel, 4.5 x 6.5 ft. in size, the portal of which bears N 18° 30' E., 568.0 ft. from Cor. No. 2 of this survey and runs S 40° W., 5 ft. to cave-in.
Claimant herein.

An abandoned aerial tram upper terminal and ore bin, the SW corner of which bears N 7° E., 315. ft. from Cor. No. 2 of this survey; 36 x 100.ft. in size; the long side bears S 33° 30' E.
Claimant unknown.

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OTHER CORNER DESCRIPTIONS.

Sur. No. 2346 Pen lode: Cors. No. 2 and 3 are quartzite stones, in place; Cor. No. 4 an igneous stone, in place. Line 2 - 3 was found to be N 27° 52' 20" E., 1497.22 ft. instead of N 27° 44' E., 1500. ft. Line 3 - 4 was found to be N 62° 7' 40" W., 329.94 ft. instead of N 62° 16' W., 330. ft.

Sur. No. 2346 Sylvania lode: Cors. No. 1, 3 and 4 are igneous stones, in place. Line 1 - 4 was found to be N 27° 10' E., 1502.27 ft. instead of N 27° 11' E., 1500. ft. Line 3 - 4 was found to be N 62° 49' W., 600. ft. as approved.

Sur. No. 2346 Extension No. 2 lode: Cors. No. 1 and 4 are igneous stones, in place. Line 1 - 4 was found to be N 55° 59' 35" E., 1458.5 ft. instead of N 55° 52' E., 1460. ft.

A section corner (~~on the Gila and Salt River meridian~~) could not be found within a radius of two miles from Cor. No. 1 of this survey, after a careful investigation and diligent search; a tie was therefore made only to USMM No. 2.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by Harlow D. Phelps

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 _____

Catherine Ryan

known as the IRON CHIEF lode

and showing the respective capacities in which they acted.

George Travis, Chainman.

Chainman.

Acman.

Flagman.

FINAL OATHS OF ASSISTANTS

I, George Travis

~~and~~ _____, do solemnly swear that we assisted Harlow

D. Phelps, United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Catherine Ryan

known as the IRON CHIEF 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 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

George Travis, Chainman.

Chainman.

Acman.

Flagman.

Subscribed and sworn to by the above-named persons before me this 14th

day of September, 1937

*My Com. exp.
Jan. 2 - 1940*

Leo T. Stack
Leo T. Stack
Notary Public

FINAL OATH OF ~~U. S.~~ MINERAL SURVEYOR

I, Harlow D. Phelps, ~~U. S.~~ Mineral Surveyor,
do solemnly swear that, in pursuance of instructions received from the Office Cadastral
Engineer, at Phoenix, Arizona., dated January 30, 1937.,
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 _____
Catherine Ryan, known as the
IRON CHIEF lode,
situate in Peck Mining District,
Yavapai County, Arizona, approximately in Sections
17 & 20, Township No. 11 N., Range No. 1 E., Unsurveyed
and designated as Survey No. 4193, 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 im-
provements made upon said mining claim by claimant or her
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 in-
cluded in the estimate of expenditures upon any other claim.

Harlow D. Phelps
(~~U. S.~~ Mineral Surveyor)

Subscribed and sworn to by the said Harlow D. Phelps
~~U. S.~~ Mineral Surveyor, before me Leo T. Stack, a Notary Public in and for
Yavapai County, Arizona, this 16th
day of February, 1938

Leo T. Stack
Notary Public

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

March 9, 1938

I, 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

Catherine Ryan

known as the

IRON CHIEF lode

situate in

Peck

Mining District

Yavapai

County

Arizona, approx.

in Section s 17 & 20, Township No. 11 N., Range No. 1 E., Unsur., and

designated as Survey No. 4193, 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.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant

or

her

grantors,

and that said improvements consist of 1 cut and 1 shaft, value \$1100.

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.

Sherman C. Fiske

Office Cadastral Engineer.

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 9, 1938, A.M.

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 _____

Catherine Ryan

_____, known as the

IRON CHIEF lode

situate in Peck mining district,

Yavapai County, Arizona, approximately

in Sections 17 & 20, Township No. 11 N, Range No. 1 E., Unsur.

_____, designated as Survey No. 4193

executed by Harlow D. Phelps, U. S. Mineral

Surveyor, September 5 - 10, 19 37 under my instructions dated

January 30, 1937, 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.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (956)
BUREAU OF LAND MANAGEMENT M.S. 4193
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The IRON CHIEF lode, Mineral Survey No. 4193, located in approx. sections 19 and 20, Township 11 North, Range 1 East (unsurveyed), Gila and Salt River Meridian, Arizona, is hereby canceled.

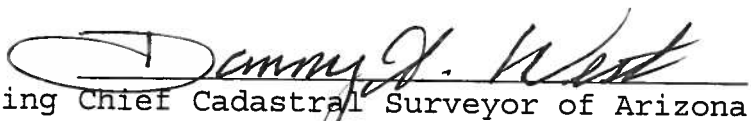
This claim has not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"IRON CHIEF lode M.S. 4193, was canceled July 21, 2010, by memo 9605 (956) M.S. 4193, which is now a part of the original field notes."

July 21, 2010
Date


Acting Chief Cadastral Surveyor of Arizona