

JAN 31, 1920

4-683

MINERAL SURVEY No. 3629

ARIZONA Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Chicago Syndicate Mining Co.

KNOWN AS THE

RED REEF NO. 1 and RED REEF NO. 2 lodes

San Francisco Mining District,

Mohave County, Arizona.

Sections 13, 23, 24, Township 19 N., Range 21 W.

Surveyed under instructions dated October 14, 1919.

by Herman C. Zulch U. S. Mineral Surveyor.

Claim located May 29, 1915.

Survey commenced October 19, 1919.

Survey completed December 31, 1919.

Address of claimant s agent, C. R. McCollom Oatman, Arizona.

DATES OF AMENDED LOCATIONS.

March 18, 1916.

Feet

RED REEF No. 1 lode.

-1-

Beginning at Cor. No. 1, identical with the S.W. Cor. Red Reef Extension lode, uns., A redwood post 4 ft. long 4 ins. square, with nail at exact Cor., set 18 ins. in the ground in mound of earth and stone, scribed R R No 1 1-3629.

Boundary Cone, a prominent land mark bears $S49^{\circ} 07'E$

The N.W. Cor. of Sec. 24; T. 19 N; R. 21 W. bears $N64^{\circ} - 13'E$ 44.83 ft.

Thence $N64^{\circ} 13'E$

44.83 N.W. Cor. of Sec. 24; T. 19 N; R. 21 W.

300.00 To N.W. End Center, A redwood post, 4 ft. long, 4 ins. square, with nail at exact point, set 18 ins. in the ground, in mound of earth and stone, scribed 3629.

330.00 Wagon road, course Northeasterly and Southwesterly.

600.00 To Cor. No. 2, Identical with the S.E. Cor. Red Reef Extension lode, uns., a redwood post, 4 ft. long, 4 ins. square, with nail at exact Cor., set 18 ins. in the ground, in mound of earth and stone, scribed: R R NO 1 2-3629.

No bearing objects available.

Thence $S25^{\circ} 47'E$

268.98 Intersect North boundary of Sec. 24; T. 19 N; R. 21 W., at $S89^{\circ} 56'E$ 616.90 ft. from the N.W. Cor. and $N89^{\circ} 56'W$ 2019.60 ft. from the North $\frac{1}{2}$ Cor. of said section boundary.

511.07 N.W. Cor. Red Reef No. 3 lode, uns.

1390.00 Wagon road, course Northeasterly and Southwesterly.

1481.07 To Cor. No. 3, Identical with Cor. No. 3 Red Reef No. 2 lode of this survey, A redwood post 4 ft. long, 4 ins. square, with nail at exact Cor., set 18 ins. in the ground, in mound of earth and stone, scribed: R R NO 1 3-3629 for this lode.

The center of a 250 ft. vertical shaft bears $S8^{\circ} 07'W$ 252 ft.

No other bearing objects available.

Feet

Thence S64° 13'W

220.00 Wagon Road, Course Northeasterly and Southwesterly.
 300.00 To S.E. End Center, Identical with the N.W. End Center
 of the Red Reef No.2 lode of this survey, A redwood post
 4 ft. long, 4 ins. square, with nail at exact point, set
 18 ins. in the ground in mound of earth and stone, scribed
 3629 for this lode.

558.00 Wagon road, Course Easterly and Westerly.
 600.00 To Cor. No.4, Identical with Cor. No.4, Red Reef No.2
 lode of this survey, A redwood post, 4 ft. long, 4 ins.
 square, with nail at exact Cor., set 18 ins. in the
 ground, in mound of earth and stone, scribed: R R NO 1
 4-3629 for this lode.

The West $\frac{1}{2}$ Cor. of Sec.24; T.19 N; R.21 W., in a prominent
 position on the brow of a knoll bears S16° 59'W.

Thence N25° 47'W

815.00 N.E.Cor. Red Reef Annex lode, uns.
 860.00 Wagon road, course Easterly and Westerly.
 1260.00 Wagon road, course Northerly and Southerly.
~~1388.20~~
~~1397.57~~ Intersect West boundary of Sec.24; T.19 N; R.21 W., at
 S0° 01'E 103.13 ft. from the N.W.Cor. and N0° 01'W
 3223.17 ft. from the West $\frac{1}{2}$ Cor. of said section boundary.

1481.07 To Cor. No.1, the place of beginning.

RED REEF NO.2 lode.

Beginning at Cor. No.1, on Easterly side line River-
 side lode, uns., A redwood post 4 ft. long, 4 ins.
 square, with nail at exact Cor., set 18 ins. in the
 ground, in mound of earth and stone, scribed R R NO 2
 1-3629.

The West $\frac{1}{2}$ Cor. of Sec. 24; T.19 N; R.21 W., bears
 S63° 22' 30" W 1401.13 ft.
 No other bearing objects available.

Feet

Thence N64° 13'E

300.00 To S.E. End Center, A redwood post, 4 ft. long, 4 ins. square, with nail at exact point set 18 ins. in the ground in mound of earth and stone, scribed: 3629.

410.00 Wagon road, course Northerly and Southerly.

600.00 To Cor. No.2, on Westerly side line Red Reef No.5 lode, uns., A redwood post 4 ft. long , 4 ins. square, with nail at exact Cor., set 18 ins. in the ground in mound of earth and stone, scribed: R R NO 2 2-3629.

Thence N25° 47'W

250.00 Wagon road, course Northeasterly and Southwesterly.

963.83 N.W.Cor. Red Reef No.5 and S.W.Cor. Red Reef No.3, uns. lodes.

1375.00 Wagon road, course Northeasterly and Southwesterly.

1493.83 To Cor. No.3, Identical with Cor. No.3, Red Reef No.1 lode of this survey, A redwood post, previously described, to which I add R.R. No 2 3-3629.

Thence S64° 13'W

220.00 Wagon road, course Northeasterly and Southwesterly.

300.00 To N.W. End Center, Identical with the S.E. End Center Red Reef No.1 lode of this survey, A redwood post, previously described, to which I add 3629.

558.00 Wagon road, Course Easterly and Westerly.

600.00 To Cor. No.4, Identical with Cor. No.4 Red Reef No.1 lode of this survey, A redwood post, previously described, to which I add: RR NO 2 4-3629

Thence S25° 47'E

685.00 S.E.Cor. Red Reef Annex and N.E.Cor. Riverside, uns. lodes.

1493.83 To Cor. No.1, the place of beginning.

Variation at all corners 15° East.

LODE LINES.

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

Red Reef No.1, 203.00 ft. S25°47'E and 1278.07 ft. N25°47'W.

Red Reef No.2, 963.83 ft. S25°47'E and 530 ft. N25°47'W.

AREA.

Acres.

Total Area Red Reef No.1 lode-----20.400 ✓

Total Area Red Reef No.2 lode-----20.576 ✓

The survey of each lode of this location is identical with the respective amended location as staked upon the ground.

LOCATION.

This survey is located in Sec's 13, 23, and 24; T.19 N; R.21 W., G.& S.R. B.& M. San Francisco Mining District, Mohave County, Arizona.

ADJOINING AND CONFLICTING CLAIMS.

On the North, Red Reef Extension lode, uns. claimant herein.

On the East Arataba No.1 lode, uns. claimant unknown. Red Reef No.3 and Red Reef No.5 ^{uns.} lodes, claimant herein.

On the South, Calico No.3, uns. lode, claimant herein.

On the West, Riverside and Red Reef Annex, uns. lodes, claimant herein.

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 this survey, by the claimant or

its grantors is not less than five hundred dollars and that said improvements consist of:

Red Reef No.1

No.1- The discovery shaft of the Red Reef No.1 lode, 4x6 ft. 8 ft. deep, the center is on the lode line 203 ft. from the S.E. End center.

Value \$100.00

No.2- Shaft, 5x7 ft. 6 ft. deep, the center of which bears N68° 05'W 345 ft. from Cor. No.3.

Value \$60.00

No.3- The mouth of cut, 5 ft. wide, running West 10 ft. to 7 ft. face, bears N66°10'W 248 ft. from Cor. No.3.

Value \$40.00

No.4- Cut and Tunnel- The center of mouth of cut, 5 ft. wide, bears N51°57'E 30 ft. from the S.E. End Center, running N73°W 10 ft. to 10 ft. face, Thence a tunnel 4x6½ ft. runs N73°W 15 ft. to point; Thence N20°W 10 ft. to breast and S54°W 8 ft. to breast.

Value of Cut and Tunnel \$500.00

1/8 th. interest in improvement No.4 Red Reef No.2 lode-----Value \$1566.00

Red Reef No.2

No. 1- The center of the discovery shaft of the Red Reef No.2 lode, 5x7 ft. 8 ft. deep is on the lode line 530 ft. from the N.W. End Center .

Value \$100.00

No. 2- Cut and Tunnel, The center of mouth of cut, 5 ft. wide, bears S2° 10'E 318 ft. from Cor. No.3, running S68°W 20 ft. to 10 ft. face, thence a tunnel 5x7 ft. runs S68°W 35 ft. to breast.

Value of Cut and tunnel-----\$575.00

No.3 The center of 8 ft. face of cut, 3 ft. wide, bears S15°W 310 ft. from Cor. No.3 running S27°W 40 ft. to mouth.

Value \$125.00

No.4- The main working shaft for a group of eight claims, The center of a vertical shaft, 4½x8 ft., 250 ft. deep bears S8°07'W 252 ft. ^{from Cor. No.3,} 78 ft. below collar of shaft is point A; 150 ft. below collar is point B; 250 ft. below collar is point C, all on Westerly side of shaft; From point A a crosscut, 5x7 ft. runs S43°W 141.5 ft. to face; from point B a crosscut runs S43°W 87 ft. to face; from point C a crosscut runs S43°W 135 ft. to face and N43°E 59½ ft. to face.

Value of shaft and crosscuts \$12528.

1/8 th. interest in above improvement-----\$1566.00

Improvement No.4, above described, was started at a place, considered to be most advantageously situated to develop and mine a group of eight claims in the most economical manner. This group consists of the Red Reef No.1, Red Reef No.2, Red Reef No.3, Red Reef No.5, Calico No.3, Riverside, Red Reef Annex and Red Reef Extension lodes. The topography of the ground is rolling and at a depth of 250 ft. in the Main Shaft, at least 200 ft. below the surface, will be had on any one of the above claims, by means of crosscuts and drifts on this level, towards and under them.

The above improvement is therefor a common improvement for the eight claims mentioned above and a 1/8th. undivided interest or \$1566 is credited to each.

OTHER IMPROVEMENTS.

None.

INSTRUMENT AND DETERMINATION OF MERIDIAN.

This survey was made with an Ainsworth Engineers transit.

The courses were deflected from the true meridian as determined by direct solar observation.

The distances were measured with 100 ft. and 500 ft. steel tapes.

REPORT

The side and end lines of the locations in this survey and all tie lines were run direct upon the ground.

The N.W. Cor. of Sec. 24; T. 19 N; R. 21 W., to which tie is given consists of a two inch black iron pipe, with brass cap, stamped: S13, S14, S23, S24 T19N R21W.

The West $\frac{1}{4}$ Cor. of Sec. 24; T. 19 N; R. 21 W. to which tie is given consists of a one inch black iron pipe with brass cap, stamped $\frac{1}{4}$ S23, S24.

The North $\frac{1}{4}$ Cor. of Sec. 24; T. 19 N; R. 21 W., consists of a one inch black iron pipe, with brass cap stamped: $\frac{1}{4}$ S13, S24.

All corners of the Red Reef No. 3, Red Reef No. 5, Calico No. 3, Riverside, Red Reef Annex and Red Reef Extension lodes, consist of 4x4 ins. redwood posts.

The disagreement between these notes and the notices of amended location is due to error in the latter.

Oatman, Arizona.
January 27, 1920.

Harman O. Fulch
U. S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Herman C. Zuloh
 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
Chicago Syndicate Mining Co.
 known as the RED REEF NO. 1 and RED REEF NO. 2 lodes
 and showing the respective capacities in which they acted.

Harry Newton , *Chainman.*
 , *Chainman.*
 , *Arman.*
 , *Flagman.*

FINAL OATHS OF ASSISTANTS.

We, I, Harry Newton
 and , do solemnly swear that ^I we assisted
Herman C. Zuloh , United States Mineral Surveyor, in marking the corners and surveying
 the boundaries of the mining claim of Chicago Syndicate Mining Company
 known as the Red Reef No. 1 and Red Reef No. 2 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 ^{my} 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.

Harry Newton , *Chainman.*
 , *Chainman.*
 , *Arman.*
 , *Flagman.*

Subscribed and sworn to by the above-named persons before me this 27th
 day of January , 1920

Jacob Sheffield
 Notary Public

My Commission
 expires June 28th 1923

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FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Herman C. Zulch, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated October 14, 1919, 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 Chicago Syndicate Mining Co., known as the RED REEF NO. 1 and RED REEF NO. 2 lodes, situate in San Francisco Mining District, Mohave County, Arizona, in Section 8 13, 23, 24, Township No. 19 N., Range No. 21 W., and designated as Survey No. 3629, 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.

Herman C. Zulch
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Herman C. Zulch
U. S. Mineral Surveyor, before me Jacob Sheffield, a Notary Public
this 27th
day of January, 19 20

Jacob Sheffield
Notary Public

My Commission expires June 28th 1923

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

Department of the Interior,

OFFICE OF U. S. SURVEYOR-GENERAL,

Phoenix, Arizona,

May 18, 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 Chicago Syndicate Mining Co.

known as the Red Reef No.1 and Red Reef No.2 lodes

situate in San Francisco

Mining District, Mohave County, Arizona

in Section s 13, 23, 24, Township No. 19 N., Range No. 21 W., and

designated as Survey No. 3629, 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, or for each of, said mining claims by claimant or its grantors, and that said improvements consist of 3 shafts, 4 cuts, 2 tunnels & 2/8 interest in a shaft.

Value \$4632.00.

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,

May 18, 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 Chicago Syndicate Mining Co.

, known as the

Red Reef No.1 and Red Reef No.2 lodes.

situate in San Francisco mining district,

Mohave County, Arizona,

in Section s 13, 23, 24, Township No. 19 N., Range No. 21 W.

, designated as Survey No. 3629

executed by Herman C. Zulch, U. S. Mineral

Surveyor, October 19-December 31, 1919, under my instructions dated

October 14, 1919, 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. 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.

[Handwritten signature]

U. S. Surveyor General for Arizona.