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(4-683.)

Mineral Survey No. 1610

Lot No. _____

Gila

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Alexander Casey

KNOWN AS THE

"Timhorn" and "Head Center"

Turquoise

Mining District,

Cochise County, Arizona

Section _____, Township 19 S., Range 25 E (unsurveyed)

Surveyed under instructions dated Oct 30, 1901

by

John A. Rockefeller
U. S. Deputy Mineral Surveyor.

Claim located Oct 19, 1901

Survey commenced Jan 23, 1902

Survey completed Jan 24, 1902

o 6-160

Address of claimant's Attorney
James Peilly
Pombstone
Ariz.

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Thomas P. Bowen and Carl Austin, do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally-pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Mining Claim of Alexander Casey

known as the Head Center and Tuckhorn situate in Inghuaise mining district, Cochise County, Ariz in Section , Township No. 198, Range No. 257E unsurveyed

T. P. Bowen, Chainman.
Carl Austin, Chainman.

Subscribed and sworn to by the above-named persons before me this 23^d day of January, 18 1902

John A. Pappalardo
Notary Public

I, _____, do solemnly swear that I will well and truly perform the duties of axeman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of _____

known as the _____, more fully described in the preceding affidavit.

_____, Axeman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 18 _____.

I, _____, do solemnly swear that I will well and truly perform the duties of flagman, in the establishment of corners and other duties, according to instructions given me and to the best of my skill and ability, in the survey of the Mining Claim of _____

known as the _____, more fully described in the preceding affidavit.

_____, Flagman.

Subscribed and sworn to by the said _____ before me this _____ day of _____, 18 _____.

Survey No. 1610.
Tinhorn Lode.

Fet.

Beginning at Cor. No. 1, identical with location,
Set a pine post 4 ft. long, 4 ins. sq.,
1 ft. in ground to hardpan, in mound
of stone, scribed N. E. C. - T. H. 1-1610,
Whence:

U. S. L. M. No. 1319 brs. N. 15° 08' W. 646.6^{ft.}
Cor. No. 1, George Mine (Survey No. 1319)
brs. N. 38° 11' W. 137 ft.

a cross (+) and "B.R. 1-1610" chiseled
on quartzite rock 2 1/2 x 2 x 2 ft., brs.
N. 21° 55' E. 52.7 ft.

Var. 12° 55' E

Thence S. 32° 47' E.

250.0 Gulch 20 ft. wide. Course N. E.

688.5 A point where large stone monument
44 ft. left.

814.0 Post in mound of stone, scribed, "S. W. C. - H. U."
South-west corner Hand Up Mining Claim.

1366.0 To Cor. No. 2, identical with location, a
pine post, 3 ft. above ground, 4 ins. sq., in
mound of stone, scribed S. E. C. - T. H.,
to which I add 2-1610.

Whence:

A cross (+) and "B.R. 2-1610" chiseled
on limestone reef brs. N. 74° 10' W. 10.6 ft.

A cross (+) and "B.R. 2-1610" chiseled
on limestone reef brs. S. 31° 03' E. 11.2 ft.

A cross (+) and "B.R. 2-1610" chiseled on
limestone bed-rock brs. N. 4° 08' E. 18.8 ft.

Dos Cabezas Peak brs. N. 20° 45' E. about 35 mis.

College Peak brs. S. 47° 13' E. about 25 mis.

Windmill at Brophy Ranch brs. N. 78° 26' E.
about 12 mis.

Var. 12° 35' E.

Thence S. 46° 10' W.

209.5 A shaft 20 ft. deep 2 1/2 ft. rt. of line.

224.5 A shaft 8 ft. deep 2 ft. rt. of line.

292.0 A stone monument 42 ft. left of line.

297.5 A stone monument 30 ft. left of line.

304.0 S. Center End, a pine post, 3 ft. above ground,
4 ins. sq., in mound of stone, scribed S. E. C. - T. H.

to which I add 1610.

608.0 To Gov. No. 3, identical with location, a fine post, 3 ft. above ground, 4 ins. sq., in mound of stone, scribed S.W.C. - T.H., to which I add 3-1610.

Thence:

A cross (+) and "B.R. 3-1610" chiseled on limestone bed-rock brs. N. 32°47'W. 15.3 ft.

A cross (+) and "B.R. 3-1610" chiseled on limestone bed-rock brs. S. 32°47'E. 21.2 ft.

A cross (+) and B.R. 3-1610 chiseled on limestone reef upon which corner is located brs. S. 57°13'W. 4 ft.

Var. 12°35'E.

Thence N. 32°47'W.

675.0 A stone monument 3 ft. rt. of line.

1096.0 Gulch 15 ft. wide. Course N.E.

1175.0 A road, Pearce to Great Western brs. S. & N.

1212.0 A stone monument 86 ft. rt. of line.

1366.0 To Gov. No. 4, identical with location, a mound of stone in center of sand-wash 15 ft. wide, course E. S. E.

Establish a witness corner S. 46°10'W. 15.8 ft. Set a fine post 4 ft. long, 4 ins. sq., 1 ft. in ground to hand-paw, in mound of stone, scribed N.W.C. - T.H. W.C. 4-1610.

From true corner

A cross (+) and "B.R. 4-1610" chiseled on porphyry rock 2x2 ft., 6 ins. above ground brs. S. 6°24'E. 29.5 ft.

A cross (+) and "B.R. 4-1610" chiseled on porphyry bed-rock on W. edge of gulch brs. S. 82°45'W. 38 ft.

A cross (+) and "B.R. 4-1610" chiseled on limestone bed-rock brs. N. 26°38'E. 182.8 ft.

Var. 12°35'E.

Thence N. 46°10'E.

295.6 S. Center End Cyclone Mining claim (Unsurveyed)

304.0 N. Center End, a fine post 3 ft. above ground, 4 ins. sq., in a mound of stone, scribed

- N.C.E. - T.H., to which I add 1610.
 599.6 S.E. Cor. bygone Claim.
 608.0 To Cor. No. 1, the place of beginning.

Head Center Lode.

Beginning at Cor. No. 1, identical with location and identical with Cor. No. 2, Tinkhorn Lode of this survey, a post in mound of stone, scribed in addition to the description already given "N.W.C. - H.C." to which I add 1-1610.

Whence:

U. S. Location Monument No. 1319
 brs. N. $27^{\circ}10'W$. 1986.2 ft.

Thence S. $30^{\circ}44'E$.

- 639.5 Large stone monument 57 ft. left.
 1031.0 Large stone monument 85 ft. rt.
 1041.0 Large stone monument 17.5 ft. left.
 1235.0 Shaft 10 ft. deep 5 ft. rt.
 1474.0 To Cor. No. 2, identical with location, a pine post 2 ft. above ground, 4 ins. sq., in mound of stone, scribed "S.E.C. - H.C." to which I add 2-1610.

Whence

A cross (+) and "B.F. 2-1610" chiseled on lime bed-rock brs. N. $46^{\circ}10'E$. 120 ft.

A cross (+) and "B.F. 2-1610" chiseled on limestone bed-rock brs. S. $2^{\circ}25'W$. 93.2 ft.

A mound of stone brs. N. $46^{\circ}10'W$. 13.5 ft.
 Var. $12^{\circ}35'E$.

Thence S. $46^{\circ}10'W$.

- 129.0 Intersect N. end line of Fraction Claim (unsurveyed) at N. $87^{\circ}05'E$. 523.5 ft. from N.W. Cor.
 229.0 Road to Great Western Shaft brs. E. and W.
 304.85 S. Center End, a pine post 4 ins. sq., 3 ft. above ground, in mound of stone, scribed S.C.E. - H.C., to which I add 1610.
 609.7 To Cor. No. 3 identical with location, a pine post 4 ins. sq., 3 ft. above ground, in mound of stone, scribed S.W.C. - H.C. to which I add 3-1610.

Thence:

A cross (+) and B.R. 3-1610 chiseled on
porphyry bed-rock hrs. S. $70^{\circ}55'W$. 15.7 ft.

A cross (+) and B.R. 3-1610 chiseled on
porphyry rock in place, $18 \times 18 \times 8$ ins.,
hrs. N. $7^{\circ}26'W$. 10 ft.

The E. peak of school house at Great
Western camp hrs. S. $5^{\circ}41'E$. about $\frac{3}{4}$ mi.
Va. $12^{\circ}35'E$.

Thence N. $30^{\circ}40'W$.

340.3 Intersect W. side line of Fraction Claim
at S. $10^{\circ}56'E$. 14.6 ft. from N.W. Cor.

1474.4 To Cor. No. 4, identical with location, also
with Cor. No. 3 of Timhorn Lode of this
survey, and scribed in addition to descrip-
tion heretofore given, "N.W.C. - H.C.", to
which I add 4-1610.

Va. $12^{\circ}35'E$.

Thence N. $46^{\circ}10'E$.

304.0 N. Center End, also S. Center End of Timhorn
Lode of this survey, and scribed in addition
to description heretofore given, "N.C.E. - H.C.",
to which I add 1610.

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

The surveys of Timhorn and Head
Center Lodes are identical with the respect-
ive locations.

Area.

Timhorn	18.71 acres
Head Center	20.07
Less area in conflict with Fraction.	<u>1.91</u>
Net area Head Center	<u>18.16 "</u>
Total net area	<u>36.87 acres</u>

Location.

This claim is located, in Turquoise Min-
ing District, Cochise County, Arizona, in Twp. 19S.
R. 25E. (unsurveyed)

The ledge crops at irregular intervals; on the
Timhorn Lode, the S. Center N. $32^{\circ}47'W$. about 1150 ft.;

on the Head Center from N. Center End S. 30°42' E. about 850 ft.

Adjoining and conflicting claims are; "By-clone" on the N., claimed by P. B. Warnebroos; "Hard-up" on the E., claimed by Casey and Holmes; "Crowned King" and "Eclipse" on the E., claimants unknown; "Traction" on the S. and "Star" on the W., claimed by Great Western Mining Co.; ground on the W. claimed by Holmes and Fitch, all unsurveyed.

submerged & unsurveyed

Expenditure of \$500.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant and his grantors is not less than one thousand dollars and consists of:

On the Timbora,

1. Discovery shaft, which brs. from Cor. No. 1. S. 8°15' E. 720 ft. Shaft 6x5 ft. ten ft. deep. Value \$100.
2. A shaft which brs. from Cor. No. 1, S. 12°10' E. 950 ft. Shaft 6x5 ft., ten ft. deep. Value \$100.
3. The main shaft, which brs. from Cor. No. 4 S. 65°42' E. 457.5 ft.; shaft 6x6 ft., not less than 100 ft. deep, connecting with underground workings of considerable extent. Value not less than \$1,000.
4. A shaft which brs. from South Center End N. 32°40' W. 230 ft. Shaft 6x4 ft., 15 ft. deep. Value \$120.
5. A shaft which brs. from S. Center End N. 48°00' E. 80 ft. Shaft 8x6 ft., 8 ft. deep. Value \$80.
6. A shaft which brs. from South Center End N. 47°00' E. 95 ft. Shaft 6x5 ft., 20 ft. deep. Value \$200.

On the Head Center.

1. Discovery shaft 6x6 ft., 15 ft. deep, which brs. from N. Center End S. 4°20' E. 35 ft. Value \$150.
2. A shaft 6x5 ft., 35 ft. deep, which brs. from N. Center End N. 61°55' E. 93 ft. Value \$300

3. A shaft 6x5 ft., 10 ft. deep, which
brs. from N. Center End S. $15^{\circ}45'E$. 96 ft.
Value \$100.
4. A shaft 8x6 ft., 8 ft. deep, which brs.
from N. Center End S. $5^{\circ}30'E$. 128 ft.
Value \$80.
5. A shaft 6x6 ft., 12 ft. deep, which brs.
from N. Center End S. $1^{\circ}10'E$. 126 ft.
Value \$110.
6. A shaft 6x5 ft., 50 ft. deep, which brs.
from N. Center End S. $13^{\circ}10'W$. 172 ft.
Value \$500.
7. A cut 15x5 ft., 8 ft. face, Course N. $30^{\circ}W$.
The mouth of which brs. from Cor. No. 4,
S. $35^{\circ}45'E$. 346 ft. Value \$80.
8. A shaft 6x5 ft., 25 ft. deep, which brs.
from Cor. No. 3 N. $17^{\circ}W$. 1071 ft. Value \$200
9. A shaft 6x5 ft., 10 ft. deep, which brs.
from Cor. No. 3 N. $14^{\circ}25'W$. 910 ft.
Value \$100.
10. A shaft 6x4 ft., 10 ft. deep which brs.
from a point 1235 ft. on line 1-2 from
Cor. No. 1 S. $59^{\circ}13'W$. 5 ft. Value \$100.

This survey was made with a young &
son Mountain Transit No. 6855, provided
with Smith Solar Attachment. The courses
were deflected from true meridian as
determined by direct solar observations. The
distances were measured with 300 and 100 ft.
steel tapes.

Tombstone Ariz
Feb 22 1902

John D. Rockefeller
U.S. Dep. Mineral Surveyor

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by John A. Rockfellow
 United States Deputy 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 Alexander Casey
 known as the Head Center & Trench
 and showing the respective capacities in which they acted.

Thomas P. Bowen, Chairman.

Carl Austin, Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

We, Thomas P. Bowen
 and Carl Austin, do solemnly swear that we assisted John A. Rockfellow, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of Alexander Casey

..... known as the Head Center and Trench, represented
 in the foregoing field notes as having been surveyed by said deputy 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 instructions furnished by the United States Surveyor-General for

Arizona

T. P. Bowen, Chairman.

Carl Austin, Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me
 this 24 day of January, 1902

John A. Rockfellow
 Notary Public

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

I, John A. Rockefeller, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Ariz, dated Oct. 30 1901, 18, 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 Alexander Basey, known as the "Tinhorn" & "Head Center", situate in Turquoise Mining District, Cochise County, Ariz, in Section , Township No. 198, Range No. 25 E (unsurveyed) and designated as Survey No. 1610, 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 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.

John A. Rockefeller
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said John A. Rockefeller
U. S. Deputy Mineral Surveyor, before me Chas. G. Johnston
A. Notary Public this 22^d
day of Feb. 1902, 18.

Chas. G. Johnston
Notary Public

o 6-154

Commission Expires Apr. 14, 1903.

Affidavit of Five Hundred Dollars Improvements.

We, Timothy Bowen, and F. M. Knapp
of lawful age, being first duly sworn according to law, depose and say: That we are
acquainted with the Head Center & Tailors mining claims situate
in Turquoise Mining District, Cochise County,
Arizona Territory, for which Alexander Carey

has made application for survey prior to application for patent under the provisions
of the Act of Congress, approved May 10, 1872; and that the labor done and improve-
ments made thereon by the applicant and his grantors exceed One Thousand
Dollars in value, and further, that we are not personally interested in said mine.

T. P. Bowen
F. M. Knapp

TERRITORY OF ARIZONA,
County of Cochise } ss:

Sworn to and subscribed before me, this 23^d

day of January, 1902

John A. Rockefeller
Notary Public

MY COMMISSION EXPIRES APR. 10, 1903

Amended Notice of Location.

Notice is hereby given. That the Tinhorn lode and mining claim has been located by Alexander Casey on the 19th day of October, 1901, being 1370 feet in length and 600 feet wide; that is 300 feet on each side of the center of the claim, lode and discovery shaft, length wise of the claim, and the general course of the lode and claim is N. 32° 47' W. and S. 32° 47' E. and is described as follows, to-wit:—Commencing at the North center end of the claim a monument post in mound of stones, which is distant 600 feet Northerly from discovery shaft on which this notice is posted and running thence S. 40° 10' W. 304 feet to a monument post in mound of stone being the Northwest corner of the claim; thence S. 32° 47' E. 1360 feet, to a monument post in mound of stone, being the south west corner of the claim; thence N. 40° 10' E. 104 feet to a monument post in mound of stone being the south east corner of the claim, thence N. 32° 47' W. 1360 feet to a monument post in mound of stone, being the northeast corner of the claim, and thence S. 40° 10' W. 304 feet to the place of beginning.

This claim is situated in the Turquoise Mining District, Cochise county, Territory of Arizona, and the United States Mineral Location Monument is distant about 680 feet in a Northerly direction, and Corner No. 1 of the George Mine Patent No. 1319, bears N. 55° 11' W. and is distant 137 feet from the Northeast Corner of this claim. This is an Amended Location Notice of the Tinhorn Mining claim located by Alex Casey on the 1st day of January 1898 and recorded in Book 14 of Records of Mines at page 436 in the office of the County Recorder of the aforesaid county of Cochise to which reference is hereby made, and this Amended Location Notice is made and posted to correct errors and omissions in the description in the Original Location notice. Posted on the ground this 19 day of October, 1901.

Witness,)

Alexander Casey

H. J. Bird)

) Filed and recorded at request of James Reilly Oct. 21, 1901, at 2 P.M. Book 15 373-374, Record of Mines.

Territory of Arizona).-

:SS.

County of Cochise.)

I, Frank Hare County Recorder in and for said County do hereby certify that the foregoing, appended, location notice of the "Pinnac" mining claim, recorded in book 15 pages 573-4, Record of Mines, situated in the Turquoise Mining District, Cochise County, Arizona Territory; is a full, true and correct copy as the same appears of record in my said office.

Witness my hand and official seal, this 29th day of October

A.D. 1901.

F. Hare

County Recorder.

Amended notice of location.

Notice is hereby given, That the Head Center lode and mining claim was been located by Alex. Casey on the 19th day of October 1901 being 1475 feet in length and six(600) hundred feet wide; that is Three hundred feet on each side of the center of the claim, lode, and discovery shaft, lengthwise of the claim, and the general course of the ^{Lode and} claim is N.30° 42' W. and S 30° 42'E and is described as follows to wit:- Commencing at the north center end of the claim a monument post in a round of stone, which is distant 35 ft N2 from discovery shaft on which this notice is posted, and running thence S 46° 10' W. 304 feet to a monument post in round of stone being the north west corner of the claim, thence S.30° 40'E 1474.4 feet, to a monument post in round of stone being the south west corner of the claim, thence N 40° 10' E 609.7 feet to a monument post in round of stone being the southeast corner of the claim, thence N.30° 44' W. 1474 feet to monument post in round of stone being the northeast corner of the claim, and thence S 46° 11' W 304 feet to the place of beginning. This claim is situated in the Maricopa Mining District, Cochise County, Territory of Arizona, and the United States mineral location monument No. 1319 bears north 27° 10' west and is distant about two thousand feet from the northeast corner of this claim. And the northeast corner of this claim is the southeast corner of the "Pinhorn" Claim. This is an amended location notice of the Head Center mining claim located by M. C. James on the 4th day of May 1880 and recorded in Book 6 of Transcribed Records of Mines at Page 147 in the office of the County Recorder of the aforesaid county of Cochise to which reference is hereby made, and this amended location notice is made and posted to more definitely describe said claim and to correct errors in the description in the said original location notice.

Posted on the ground this 19th day of October 1901.

Witness: Alexander Casey.

H. J. Hierl.

Filed and recorded at request of James Reilly Oct. 21st 1901

at 2 P. M. Book 15 pages 374-5, Record of Kings.

Frank Hare

County Recorder.

Territory of Arizona,)
) :SS.
 County of Coconino.)

I, Frank Hare County Recorder in and for said County, do hereby certify that the foregoing, appended location notice of the "Herd Center" mining claim, recorded book 15 pages 374-5, Record of Mines, situated in the Turquoise Mining District, Coconino County, Arizona Territory; is a full, true and correct copy as the same appears of record in my said office.

Witness my hand and official seal, this 29th day of October A. D. 1901.

Frank Hare

County Recorder.

(4-687.)

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

April 24, 1902

I, U. S. Surveyor General for *the District of Arizona*,
do hereby certify that the foregoing and hereto attached Field Notes and Return of the
Survey of the Mining Claim of *Alexander Casey*

....., known as the
"Timber" and "Dead Center"

situate in *Tuquoise* mining district,

Cochise County, *Arizona*

in Section *.....*, Township No. *19 S.*, Range No. *25 E. (unsurveyed)*

....., designated as Survey No. *610*

executed by *John A. Rockefeller*, U. S. Deputy Mineral
Surveyor, *Jan. 23rd 24th*, 1902, under my instructions dated

Oct. 30th, 1901, 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. A true copy of the copy of the location

certificate filed by the applicant for survey is included in the field notes.

Aug 7th 1902

U. S. Surveyor General for *Arizona*

Sur. No. 1319 George

HARD UP

CROWNED KING

COR. No. 1

S. 32° 47' E 1366 ft.

COR. NOS. 2-1

N 76° 10' E 608 ft.

S. 12° 10' E 950 ft.

N 60° 38' E 608 ft.

CYCLONE

SUR. No. 1610

TINHORN

DISC. SHRFT

Shaft N. 32° 47' W 1366 ft.

Main Shaft

Shaft

Shaft

Shaft

Shaft

Shaft

Shaft

S. 65° 42' E 825 ft.

Shaft

Shaft

Shaft

COR. No. 7

N. 32° 47' W 1366 ft.

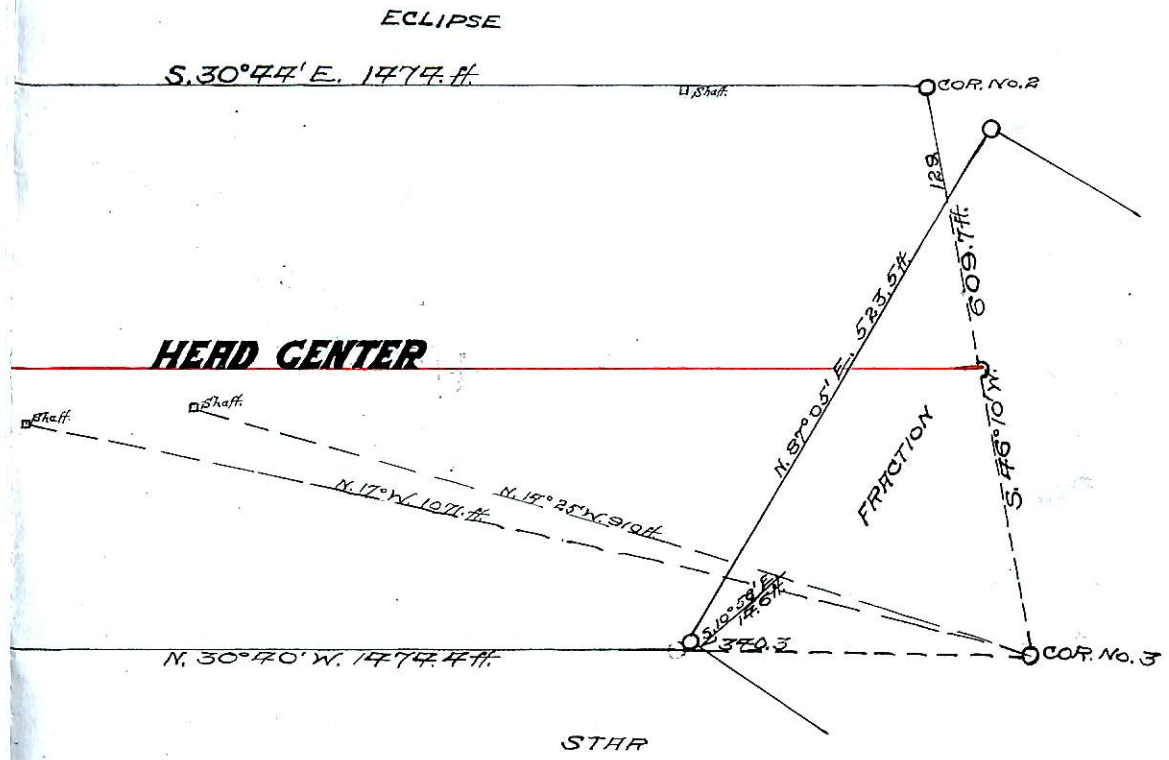
COR. NOS. 3-7

S. 55° 25' E 376 ft. out

HOLMES AND FITCH CLAIMANTS

SCALE
200 ft. = 1 in.

SUR. No. 1610
Gila Land District,
Surveyed Jan. 23-27, 1902.
BY John A. Rockfellow
U. S. DEP. MIN. SURVEYOR.



11708
18

LARGE

MAP

INSERT

