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(4-683.)

Mineral Survey No. 1031 A and B.

Lot No. _____

Gita.

Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

The Detroit Copper
Mining Company of Arizona

KNOWN AS THE

"Pirican" Lode ^{NE 1/4} Number Three Mill-site
Copper Mountain Mining District,
Graham County, Arizona.

Section _____ Township 4453, Range 29E

Surveyed under instructions dated Sept 23rd, 1891.

by Geo. M. Robison

U. S. Deputy Mineral Surveyor.

Mill Site Located September 8th

Lode Claim located April 21st, 1886.

" Amended Location August 1st, 1891.

Survey commenced Oct 8th, 1891.

Survey completed Nov. 13th, 1891.

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5462 b-3 m

Address of Applicant

The Detroit Copper Mining Co.

L. Sweeney
Agent.

Morenci
Arizona

PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

WE, Bat P. Leary and _____,
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~~ ^{my} skill and ability, and in accordance with instructions given ~~us~~ ^{me} in the survey of
the Mining Claim of The Detroit Copper Mining
Company of Arizona, known as the
"Pelican" Lode and No Three Mill Site
situate in Copper Mountain mining district,
Graham County, Arizona,
in Section _____, Township No. _____, Range No. _____

Bat P Leary, Chainman.
_____, Chainman.

Subscribed and sworn to by the above-named persons before
me this 7th day of October, 1891.

J. Haissinck
Notary Public

I, Bat P Leary, 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 The Detroit Copper Mining
Company of Arizona
known as the "Pelican" Lode and No. Three Mill Site
more fully described in the preceding affidavit.

Bat P Leary, Axeman.

Subscribed and sworn to by the said Bat P.
Leary before me this 7th day of
October, 1891.

J. Haissinck
Notary Public

I, Bat P. Leary, 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 The Detroit Copper
Mining Company of Arizona
known as the "Pelican" Lode and No Three Mill Site
more fully described in the preceding affidavit.

Bat P Leary, Flagman.

Subscribed and sworn to by the said Bat P.
Leary before me this 7th day of
October, 1891.

J. Haissinck
Notary Public

Feet

Survey No. 1031 A.

Pelican Lode.

Beginning at Cor No 1.

Identical with Cor No 4 of the Location and No 1 of the Amended Location.

A pine post 4x4 inches by 4½ ft long set 2 ft in the ground and in a mound of stones marked 1/1031 A. Whence

U. S. Mineral Monument No 4 bears
N 6° 03' E 1632.3 ft.A Cedar tree 5" in dia marked B.T.
1/1031 A. bears N 14° E 62.9 ft.The Upper Thomson Tunnel bears
N 68° 50' W.The Upper Fairplay Tunnel bears
N 24° 47' W.

Thence N. 41° 10' E.

Variation 12° 30' E.

188. To Cor No 5 Chalkos Lode Lot No 74. William Church Claimant.

1310. Centre of road between Clifton and Mornie Course S. E. & N. W.

1359. Edge of dry creek bed Course S. E.

1457. Across dry creek bed.

1500. Cor No 2.

Identical with Cor No 1 of the location and No 2 of the Amended location.

A pine post 3x5 by 4½ ft long set 2 ft in the ground and in a mound of stones and earth marked 2/1031 A. Whence.

Cor. No. 6. of Lot No 74 bears
N 41° 10' E 157 ft.

(Corners 1 & 2 of this survey are in the same straight line as No's. 5 and 6 of Lot 74. all being visible from Cor No. 1. The Course of this line in the survey of Lot 74 I find given as. N 42° 15' E and distance 5 to 6 1500 ft. I

First find the course and distance to be $N 41^{\circ} 10' E$
 1469 feet. between Corners, 5th and 6.)
 Thence $S. 48^{\circ} 50' E$
 Variation $12^{\circ} 45' E$

100. Bank of Creek.
 600. To Cor No. 3
 Identical with Cor No. 3 of
 the Amended Location (original Cor No. 2
 destroyed) This is a place where
 a corner would not be permanent, &
 therefore set a witness on side line.
 Thence $S. 41^{\circ} 10' N.$
 Variation $12^{\circ} 45' E.$

30. To South bank of creek bed.
 110. To Witness to Cor No 3.
 A pine post 4x6 inches 4 ft long set
 2 ft in the ground and in mound of
 stones marked $W.C. 3/1031 A.$

132. Centre of Clifton and Mornici road.
 1500. To Cor No 4

Identical with Cor No 4 of the
 Amended location (original Cor No 3
 not identified)
 Cor. No. 4 is a pine post 4x4
 inches by 4 1/2 ft long set 2 ft
 in ground in mound of stones
 Marked 4/1031 A. Whence
 The highest Mountain peaks visible to
 the North and east bear respectively
 $N 32^{\circ} 2' E$ and $N 89^{\circ} 30' E.$
 No local bearings available
 Thence $N 48^{\circ} 50' N.$
 Variation $12^{\circ} 45' E.$

5-15-3 Put Nail in the top of a double
 Cedar stump standing on line.
 10 inch branches.

600. To Cor No 1 the place of beginning.

Area.
 Containing a total and net
 area of 20.662 acres.

Feet.

Survey No 1031 B.

Number Three Mill Site

Beginning at Cor No 1.

A pine post 4x4 inches by 4ft long set 1 foot in the ground to bed rock and in mound of stones marked '1031 B and '1030 B. It being also Cor No 1 of Mill site No 2. The Detroit Copper Mining Company owners from which.

U. S. Mineral Monument No 2.

bears N 44° 29' W. 1620.5 ft.
Cor No 1 Lot No 5-9 William Church Placer. William Church applicant (Application and Entry cancelled) bears N 39° 16' W. 15-18.5 ft.

Cor No 1 Survey No 1031 A bears N 35° 48' 28" W 28286.5 ft.

Thence S. 75° 5' W.

Variation 12° E.

270. To Left bank of San Francisco river.
552.4 Intersect side 4-5 Lot No 5-9 at 895.8 ft West of Cor. No. 4.

736.5 To Cor No 2. a point in San Francisco river, corner not set.

The nearest available point for a witness to Cor No 2 is Cor. No. 5 of this survey which bears from Cor No 2 N. 14° 5-5' W. 242.8 ft.

Thence N. 80° 42' W.

Variation not obtained.

175.2 To Cor No. 3. Also Cor No. 4 of Mill site No. 4. Survey No 1032 B. The Detroit Copper Mining Co owners.

This corner also comes in the river and is not set. The nearest available point for witness being Cor No. 4.

Thence N 14° 5-5' W

Variation not obtained.

19.7 Intersect line 4-5 of Lot No 5-9 at 125-1.7 ft West of Cor No 4.

- Feet
 148. To right bank of river.
 168. To left bank of mill race.
 178 To right bank of same.
 242.8 To Cor. No 4. also. Cor No. 3-1032B.
 and Witness to Cor No 3/1031B
 and 4/1032 B.
 A pine post 4x6 inches by 4½
 ft long set 2½ ft deep in ground
 and in mound of stones, marked
 4/1031 B. 3/1032 B. and W.C. 3-4/1031B-1032B.
 Whence.
 A blazed thorn tree 6" dia
 marked B.T. 3/1032 B. and 4/1031 B. bears
 S. 55° 45' E 50.7 ft.
 Thence S. 80° 42' E
 Variation 12° 10' E
 175.2 To Cor No 5- also Witness to Cor No. 2
 A pine post 4x6 inches by 4½
 ft long set 2½ ft in the ground
 marked 5/1031 B. and W.C. 2/1031 B.
 (This corner is 20 ft North of the
 Mill race on this claim.)
 Thence N 75° 05' E.
 Variation 12° 10' E
 736.5 To Cor No. 6. Also Cor No. 2/1030 B.
 A pine post 4x4 inches by 4 ft.
 long set on bed rock and in a
 mound of stones marked 6/1031 B.
 and 2/1030 B. whence.
 The South end of the dam across
 the river on this claim bears,
 S. 11° 11' W. 240. ft
 Thence S. 14° 55' E
 Variation 12° E
 12. To right bank of river.
 223. To left bank of river.
 242.8 To Cor No 1 the place of
 beginning.

Area.

Containing total and net area of 5.00 Acres
 Conflict with Lot 59-4.77 Acres not excluded.

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The Survey of the Number Three Mill Site is identical with the location of the same.

Note:— This Mill Site Survey No 1031B is used in connection with four adjoining Mill sites owned by the applicants herein as a reservoir for the storage of water for use in the smelter and concentrator owned by the Detroit Copper Mining Company and situated on one of their lode claims and for the necessary pumping machinery to convey said water to smelter and concentrator. This reservoir is essential to the profitable working of the mines on account of low water in the river at certain seasons of year.

The improvements consist of a dam across the river on this claim, the South end of which bears from Cor No 2, S. 11° 11' W. 240 ft. and extending North 200 feet to North End. A Mill race from the North end of dam and running thence nearly parallel with the North side of the claim across Mill Site No 3 and 4 and to Mill site No 5 where water is pumped to the mines about six miles distant. The Cost of the improvements above described is about \$25,000.00. About $\frac{2}{3}$ of the surface of these Mill sites is covered by water. There is no valuable timber or other product on the ground and the ground is believed to be absolutely worthless except for the purpose described.

This Mill site is situated on the San Francisco river about Three miles below the town of

Clifton Graham County, Arizona
 in Copper Mountain Mining District
 The Pelican Lode Survey No 1031 A
 is situated about 1/4 mile south
 of the town of Morenci, in Copper
 Mountain Mining District Graham
 County Arizona both surveys
 are on ground belonging to the
 United States not yet surveyed.

Improvements on Survey No 1031 A.
 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
 Five hundred dollars, and that said
 improvements consist of.

A Cut 4x4 x 10 ft which bears
 from Cor No 1 N 65° E 710 feet.
 Earth and rock
 Value \$13.00

A tunnel and open cut 4x6 ft by
 40 ft long Course driven North West.
 the mouth of which bears from
 Cor No 1 N 53° 30' E 830. ft.
 Driven in rock.
 Value \$280.00

An open cut 10 ft in diameter
 10 ft deep - earth and rock, which
 bears from Cor No 1 N. 50° E 690. ft.
 Value \$50.00

A Shaft 4x6 ft by 40 ft deep in rock
 with large open cut around shaft
 bears from Cor No. 1. N 48° E 725 ft.
 Value \$400.00

A Drift run South West from
 the last mentioned shaft about 20
 ft from the top, and 30 ft long,
 in rock.
 Value \$240.00

There is also a drift at the
 bottom of the above shaft

toward the North which I could not reach on account of having no means of getting down the shaft. Value unknown.
Other improvements.
There are none.

In making this survey I used a Gurley solar transit. The courses were deflected from the true meridian determined by the solar apparatus independent of the needle. The distances were measured by using a 100 ft. steel tape, and the results were checked by triangulation to the principal points.

Geo. M. Robinson
U. S. Deputy Min. Surveyor

Monterey Arizona
Apr 18th 1892.

Affidavit of Five Hundred Dollars Improvements.

We, Gordon McLean and Alexander D. McLean

of lawful age, being first duly sworn according to law, depose and say: that we are acquainted with the

"Pelican" Lode mining claim, situated in

Copper Mountain Mining District, Graham County,

Arizona Territory, for which The Detroit Copper Mining Com-

pany of Arizona

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 improvements made thereon by the

applicant.....and its grantor.....do exceed Five Hundred Dollars in value, and further that we are not

personally interested in said mine.

Gordon McLean

Alexander D. McLean

TERRITORY OF ARIZONA,

County of Graham } ss.

SWORN to and subscribed before me, this 13th day

of November 1891.

L. Fraissinet
Notary Public

NON-MINERAL AFFIDAVIT.

TERRITORY OF ARIZONA,

County of Graham } ss.

Gordon McLean and Alexander D McLean, of said County and Territory, being first duly sworn, each for himself and not one for the other,

deposes and says; that he is well acquainted with the land of the "Number Three" mill-site claim, situated in Copper Mountain

Mining District, Gila and Salt River Meridian, in the County of

Graham and Territory of Arizona, claimed by The Detroit

Copper Mining Company of Arizona

applicant for United States patent therefor; that he is well acquainted with the character of said described land included within the boundary lines as officially surveyed by Geo. M. Robison United States Deputy Mineral Surveyor, having frequently passed over the same; that his knowledge of such land is such as to enable him to testify understandingly with regard thereto; that there is not to his knowledge, within the limits thereof, any vein or lode of quartz or other rock in place bearing gold, silver, cinnabar, lead, tin or copper, or any deposit of coal; that there is not within the limits of said land, within his knowledge, any placer, cement, gravel or other valuable mineral deposit; that no portion of said land is claimed under the local customs or rules of miners or otherwise; that no portion of said land is worked for minerals during any part of the year by any person or persons; that said land is essentially non-mineral land, and that there is within the boundaries of said claim

improvements, to-wit: A dam used in connection with Mill Sites Nos 1, 2, 4, and 5, for furnishing water for the Mines of this Company, For a Smelter and Concentrator also owned by them.

and that he has no interest whatever in said described mill-site claim.

Gordon McLean
Alexander D McLean

Subscribed and Sworn to before me this 30th day

of November A. D. 1891, and I hereby certify that

the foregoing affidavit was read to the said Gordon McLean and Alexander D McLean

previous to their names being subscribed thereto, and that deponents are reputable persons to whose affidavits full faith and credit should be given.

L. F. Furrer
Notary Public

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by Geo. M. Robison
 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 The Detroit Copper Mining Company of Arizona
 known as the Pelican Lode and No. Three Mill Site
 and showing the respective capacities in which they acted.

Bat P. Leary } , Chainman.
 _____ } , Chainman.
 _____ } , Axman.
 _____ } , Flagman.

FINAL OATHS OF ASSISTANTS.

We, I Bat P. Leary
 and _____, do solemnly swear that we assisted Geo. M. Robison
Robison, United States Deputy Mineral Surveyor, in marking the corners and
 surveying the boundaries of the mining claim of The Detroit Copper
Mining Company of Arizona
 known as the "Pelican Lode And Number Three Mill Site" 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 ^{my} 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

Bat P. Leary } , Chainman.
 _____ } , Chainman.
 _____ } , Axman .
 _____ } , Flagman.

Subscribed and sworn to by the above-named persons before me
 this 13th day of November, 1891.

L. F. F. F. F.
 Notary Public

(4-686.)

FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR.

I, Geo. M. Robison, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated Sept 23rd, 1891, 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 The Detroit Copper Mining Company of Arizona, known as the Pelican Lode^{ed} and Number Three Mill Site, situate in Copper Mountain Mining District, Graham County, Arizona, in Section _____, Township No. _____, Range No. _____, and designated as Survey No. 1031 A. & B., 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. _____

Geo. M. Robison
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Geo. M. Robison,
U. S. Deputy Mineral Surveyor, before me A Notary Public
this 13th
day of November, 1891.

J. H. Sussman
Notary Public

Copy

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Ed. Hop.

Location Notice

Notice is hereby given that the undersigned in compliance with the requirements of the Mining Act of Congress approved May 10, 1872 has this day located & claimed the following described mineral ground situated in Copper Mountain Mining District, Graham County Territory of Arizona and more particularly ^{described} as follows to wit:

Commencing at this stake marked P. N. C. Cor No. 1 thence S $48^{\circ} 38'$ E a distance of 800' to a stake marked P. C. M. C. end line thence S $48^{\circ} 38'$ E a distance of 300' to a stake marked P. S. C. Cor No. 2 thence S $41^{\circ} 22'$ W a distance of 1500' to a stake marked P. S. W. Cor No. 3. thence N $48^{\circ} 38'$ W a distance of 300' to a stake marked P. C. M. W end line thence N $48^{\circ} 38'$ a distance of 300' to a stake marked P. N. W. Cor No. 4. thence N $41^{\circ} 22'$ E a distance of 1500' to place of beginning.

From corner No 1 to the U. S. M. M. No 14 C. M. D. bears N $60^{\circ} 15'$ W a distance of 988.

This claim is bounded on the North West by the Chalkos mine & on the North East by the Detroit mine and shall be known as the Pelican mine.

Located this 21st day of April A.D. 1886

Witness

Wm Church

Horace D. East

Locotor

Filed for record and recorded at 9:30¹⁵
o'clock A.M. at the request of Wm Church
April 28th 1886

Geo H Stevens
Recorder

By P Mahelen Deputy

Territory of Arizona }
County of Graham } ss.

I G. J. Dawdle County Recorder
in and for the County of Graham Territory
of Arizona do hereby certify that the
foregoing is a full true and complete
copy of the Pelican Mining
Location Notice as appears on Record
in Book 4 Record of Mines on Page
209 Records of Graham County Arizona
Territory

Witness my hand and Seal
this the 26th day of August
A.D. 1891

G. J. Dawdle
County Recorder
Graham County
A.T.

Copy
Original location of
Pelican Mine

Copy

Notice of Amended Location
Territory of Arizona }
County of Graham } ss.

Know all men by these presents, that The Detroit Copper Mining Company of Arizona the undersigned corporation of the United States, has this the 1st day of August 1896, amended the location certificate and claimed by right of discovery and location, and does hereby claim by virtue of such right, Fifteen hundred feet linear and horizontal measurement in length and Three hundred feet in width on each side of the middle of a certain lode vein ledge or deposit, along the course of the same with its spurs, dip and angles, together with the amount of surface allowed by law.

The said lode vein ledge or deposit, located and claimed as aforesaid is situated in Copper Mountain Mining District Graham County Territory of Arizona and is bounded and described as follows, to-wit:

Commencing at Cor No 1 from which U.S. Mineral Monument No. 4 bears $N 6^{\circ} 5' E$ 1632.3 ft. Thence $N 41^{\circ} 10' E$ 750 ft to centre stake 1500 ft to Cor No 2. Thence $S 48^{\circ} 50' E$ 600 ft to Cor No 3 Thence $S 41^{\circ} 10' W$ 750 ft to centre stake 1500 ft to Cor No 4. Thence $N 48^{\circ} 50' W$ 600 ft to Cor No 1. the place of beginning courses given from

Territory of Arizona
Witness my hand and
Seal this the 25th day of
August A.D. 1891

J. J. Darnell
County Recorder
Tucson County
Arizona Territory

[Faint mirrored handwriting, likely bleed-through from the reverse side of the page]

[Extensive faint mirrored handwriting, likely bleed-through from the reverse side of the page]

Pelican
Amundd.
Cert. Ad. Copy.

Looney

Amundd. description
of Pelican birds

Handwritten notes at the top of the page, including the number '101' and a reference to 'The Journal of the Society of the Friends of the Pelican'.

Handwritten notes in the middle section, containing several lines of text and some faint sketches or diagrams.

Handwritten notes at the bottom of the page, continuing the text from the middle section.

Copy

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Territory of Arizona }
County of Graham } S.S.

To all whom these Presents may Concern
Know ye that The Detroit Copper Mining
Company of Arizona by L. Sweeney Agent,
hereby declares and publishes to the world
that said Company has a valid right to
the occupation, possession and enjoyment
of all and singular that tract or parcel
of land situate lying and being in
Copper Mountain Mining District
Graham County Arizona bounded
and described as follows to-wit:

Beginning at Cor No. 1 whence U. S
Mineral Monument No 2 bears $N 44^{\circ}$
 $29' W$ 1620.5 feet. Thence $S 75^{\circ} 5' W$ 734.5
feet to cor No 2 Thence $N 80^{\circ} 42' W$ 175.2
feet to cor No 3 Thence $N 14^{\circ} 55' W$ 242.8 feet
to cor No 4 Thence $S 80^{\circ} 42' E$ 175.2 feet
to cor No 5 Thence $N 75^{\circ} 5' E$ 734.5 feet to cor
No 6. Thence $S 14^{\circ} 55' E$ 242.8 feet to cor No 1
the place of beginning Containing five
Acres of ground, together with all and
singular the hereditaments and
appurtenances thereunto belonging or in
anywise appertaining.

The name of said Claim or parcel of
ground shall be The Number
Three Mill Site.

Located Sept 8th 1891

Magnetic Variation 12° East

Witnesses } The Detroit Copper
Geo M Robison } Mining Co of Arizona
by L. S. Sweeney Agt

Recorded Sept 14. 1891 at 9 o'clock A.M. at the
request of L. S. Sweeney

H. J. Dowdle
Co Recorder

Territory of Arizona } ss.
County of Graham }

I H. J. Dowdle County
Recorder in and for the County of Graham
Territory of Arizona do hereby Certify
that the foregoing is a true and correct
Copy of The Number Three Mill
Site as appear on Record in Book (1)
one of Mill sites on Pages 102 & 103

Records of Graham County Arizona

Witness my hand and
Seal this the 16th day
of September A.D. 1891
H. J. Dowdle
County Recorder
Graham County
Arizona

Copy
of

The Number Three Mill Site

(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,

Mason, Arizona

August 4th, 1892

District of Arizona

I, U. S. Surveyor General for

do hereby certify that the foregoing and hereto attached Field Notes and Return of the

Survey of the Mining Claim of

The Detroit Copper Mining Company of Arizona

known as the

Blue air lode and Number Three Mine-site

situate in

Copper Mountain

mining district,

Graham County, *Arizona*

in Section *1*, Township No. *1*, Range No. *1*

and *1031. A. & B.* designated as Survey No.

executed by *George H. Johnson*, U. S. Deputy Mineral

Surveyor, *Oct 8th to Nov 13th*, 1891, under my instructions dated

September 23rd, 1891, 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.

Rogers Johnson
U. S. Surveyor General for *Arizona*