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Rec'd 24/10  
Aug 22/99

(4-683.)

Mineral Survey No. 1357

Lot No. \_\_\_\_\_

Gila

Land District.

### FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Edward C. Platt

KNOWN AS THE

Grand Reef Mine

Aravaipa

Mining District,

Graham

County,

Arizona

Section (unsurveyed), Township 6 South, Range 20 East (approx.)

Surveyed under instructions dated March 24, 1899

by Philip Coutzen

U. S. Deputy Mineral Surveyor.

Claim located January 1st, 1899

Survey commenced June 6, 1899

Survey completed June 8, 1899

o 6-160

Address

Jno. W. Payne, manager,

Ipenazuma,

via Ft. Thomas,

Arizona



# PRELIMINARY OATHS OF ASSISTANTS IN SURVEY OF MINING CLAIM.

We, Stephen D. Brown and James F. Quinn, 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 Edward C. Platt

....., known as the Grand Reef situate in Aravaipa mining district, Graham County, Arizona in Section ....., Township No. ...., Range No. ....

Stephen D. Brown, Chainman.  
James F. Quinn, Chainman.

Subscribed and sworn to by the above-named persons before me this 6<sup>th</sup> day of June, 1899.

I, Ed. Kendall <sup>flagman</sup>, 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 Edward C. Platt

Henry J. Firth  
Notary Public  
My Comm. Exp. Dec. 2 - 1900

known as the Grand Reef more fully described in the preceding affidavit.

Ed Kendall, Axeman.

Subscribed and sworn to by the said ....., before me this 6<sup>th</sup> day of

June, 1899

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 .....

Henry J. Firth  
Notary Public  
My Comm. Exp. Dec. 2 - 1900

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

....., Flagman.

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

....., 18 .....



Feet.

SURVEY NO. 1357.

GRAND REEF.

Beginning at corner No. 1.

A pine post 4 ft. long, 6 ins. sq., set 18 ins. in the ground, with mound of stone, scribed 1-1357. Whence,

A corner of the location bears N. 45 1/2° W., 32 feet. A mound of stone.

Smoke stack of pump house, bears S. 31° 35' W.

Rocky Peak, bears N. 71 1/2° E.

No bearing trees or rocks available.  
Cor. of secs. 5, 6, 31, & 32, T. 6 & 7 S., R. 20 E., bears S. 27° W., 9571 feet.  
Thence S. 11° E.  
Var. 13° E.

Descending.

1165. Foot of descent.

1185. Road, bears Northerly and Southerly.

1250. Gulch, course southwesterly,

1299. Center of track on dump.

1350. Road, course N.E. & S.W.

Ascend.

1500. To Cor. No. 2. Identical with corner of the location.

A pine post, 4 1/2 ft. long, 6 ins. sq., set 18 inches in the ground, with mound of stone, scribed 2-1357. Whence,

A cross (+) B.R. 2-1357, chiseled on W. face of granite boulder 8 x 6 x 6 ft., bears S. 13 1/4° E., 30.3 feet.

A cedar stump 18 inches in diameter, 3 ft. high, scribed 2-1357- B.T., bears S. 23 1/2° W., 26.3 ft.

Thence N. 79° E.

Var. 13° E.

Ascending.

300. Croppings on ledge bear N. 11° W. and S. 11° E., 50 ft high.



Feet.

600. To Cor. No. 3.

Identical with corner of the location.

A cross (+) at corner point, and 3-1357, chiseled on a granite boulder in place, showing above the general surface.

No bearings available.

Thence N. 11° W.

5 Var. 13° E.

Descending.

850.0 Gulch, 30 ft. wide, course S. 79° W., and ascend along E. slope of ridge.

1500 To Cor. No. 4.

Identical with the location.

A pine post 4 ft. long, 6 ins. square, set 18 inches in the ground, with mound of stone, scribed 4-1357. Whence,

A cross (+) and B.R. 4-1357 chiseled on a granite boulder 6 x 6 x 4 ft. above the general surface bears S. 76° 35' W'. 7 ft.

A cross (+) and B.R. 4-1357 chiseled on a granite boulder 8 x 6 x 5 feet above the general surface, bears S. 9° 45' W., 25.7 ft.

Thence S. 79° W.

Var. 13° E.

Ascending.

300. Croppings on ledge 50 ft. high, bear S. 11° E. & N. 11° W.

434. Old road, bears Northwesterly.

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

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Area, --- 20.66 acres.  
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LOCATION.

This claim is located in the E. 1/2 of sec. 29, T. 6 S., R. 20 E. (approximately) unsurveyed, in



Aravaipa Mining District, Graham County, Arizona.  
*Ledge extends throughout center of claim, N. 11° W. 1500 ft  
 from center line 2-3-*

EXPENDITURE OF FIVE HUNDRED DOLLARS.

I certify that the value of the labor and improvements upon this claim, placed thereon by the claimant or his grantors, is not less than five hundred dollars, and that said improvements consist of -

No. 1. Discovery shaft, which bears from cor. No. 1, S. 70° E., 353 ft. Shaft 6 x 4 ft., 50 feet deep.

Value, \$400.

No. 2. Shaft which bears from Cor. No. 1, S. 61° 15' E., 385 feet. Shaft is 6 x 4 ft., 40 feet deep.

Value, \$300.

No. 3. Tunnel, which bears from a point S. 11° E., 1165 ft. from Cor. No. 1, N. 24° E., 320 ft. Tunnel is 6 x 8 ft., 80 ft. long, course N. 11° W.

Value, \$600.

No. 4. Air shaft which bears from a point S. 11° E., 1165 ft. from cor. No. 1, N. 15° 30' E., 480 ft. 6 x 7 x 120 ft. deep.

Value, \$1000.

No. 5. Tunnel which bears from a point S. 11° E., 1165 ft. from cor. No. 1, N. 20° E., 500 ft. 6 x 7 ft., 40 ft. long. Course of tunnel, N. 11° W.,

Value \$ 350.

No. 6. Tunnel which bears from a point S. 11° E., 1165 ft. from Cor. No. 1, N. 46 1/2° E., 355 ft. 5 x 8 ft., 960 ft. long; course N. 11° E.

Value, \$9,000.

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 Other improvements.

S.E. cor. of bath house 16 ft. x 24 ft. bears from a point S. 11° E., 1165 ft. from cor. No. 1- N. 37° 20' E., 36.3 ft.

S.E. cor. of engine house, 24 x 44 bears from a point S. 11° E., 1165 ft. from cor. No. 1, - N. 41°



45' E., 67 ft.

S.W. Cor. of Blacksmith shop 18 x 18 ft., bears from a point S. 11° E., 1165 ft. from cor. No. 1 - N. 46 1/2° E., 220 ft.

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INSTRUMENT.

This survey was made with a Young & Sons' Light Mountain Transit with solar attachment. The courses were deflected from the true meridian as determined by observations on Polaris and the Sun.

The distances were measured with a 50 and 100 ft. steel tapes.

*Philip Couzger*

U. S. Deputy Mineral Surveyor.

Tucson, A.T., June 24, 1899.

Adjoining claims;

The claims adjoining the Grand Reef mine, are as follows:

The "Blevin" on the northwest, (unsurveyed), claimed by Edward C. Platt and Thomas Finnican; and

The "South Point" on the southeast, (unsurveyed), claimed by Edward C. Platt.

There are no other known adjoining claims.

*Philip Couzger*

U. S. Deputy Mineral Surveyor.



# FINAL OATHS FOR SURVEYS.

## LIST OF NAMES.

A list of the names of the individuals employed by Philip Contzen  
 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 Edward C. Platt  
 known as the Grand Reef  
 and showing the respective capacities in which they acted.

Stephen D. Brown, Chairman.  
James T. Quinn, Chairman.  
Ed. Kendall, Axman & Flagman.  
 \_\_\_\_\_, Flagman.

## FINAL OATHS OF ASSISTANTS.

We, Stephen D. Brown & James T. Quinn  
 and Ed. Kendall, do solemnly swear that we assisted Philip  
Contzen, United States Deputy Mineral Surveyor, in marking the corners and  
 surveying the boundaries of the mining claim of Edward C. Platt

\_\_\_\_\_, known as the \_\_\_\_\_,  
Grand Reef, 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.

Stephen D. Brown, Chairman.  
James T. Quinn, Chairman.  
Ed Kendall, Axman & Flagman.  
 \_\_\_\_\_, Flagman.

Subscribed and sworn to by the above-named persons before me  
 this 8<sup>th</sup> day of June, 1899

Henry T. Firth  
 Notary Public

My Commission Exp  
 Dec. 2 - 1900





FINAL OATH OF U. S. DEPUTY MINERAL SURVEYOR

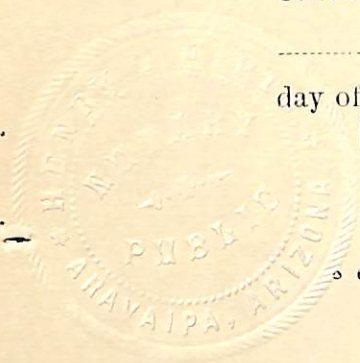
I, Philip Contzen, U. S. Deputy Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor General for Arizona, dated March 24, 1899, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor General, faithfully and correctly executed the survey of the Mining Claim of Edward C. Platt, known as the Grand Reef, situate in Aravaipa Mining District, Graham County, Arizona, in Section \_\_\_\_\_, Township No. \_\_\_\_\_, Range No. (unsurveyed) and designated as Survey No. 1357, 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.

Philip Contzen  
U. S. Deputy Mineral Surveyor.

Subscribed and sworn to by the said Philip Contzen  
U. S. Deputy Mineral Surveyor, before me Henry I. Firth  
Notary Public this 8<sup>th</sup>  
day of June, 1899.

Henry I Firth  
Notary Public

my Comm Exp  
Dec. 2-1900





# Affidavit of Five Hundred Dollars Improvements.



We J. J. Quinn and J. H. O'Neil

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

with the Grand Reef mining claim, situated in

Aravaipa Mining district, Graham County,

Arizona Territory, for which Edward C. Platt

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 his grantor exceed Five Hundred Dollars in value, and further

that we are not personally interested in said mine.

J. J. Quinn  
J. H. O'Neil

TERRITORY OF ARIZONA,  
County of Graham } ss.

SWORN to and subscribed before me, this

8<sup>th</sup> day of June 1899

Henry J. Firth

Notary Public

My Commission  
Dec. 2 Exp. 1900





NOTICE OF LOCATION.

NOTICE is hereby given that the undersigned in compliance with the requirements of the mining act of Congress, approved May 10th. 1872 have this day located and claim (1500) hundred linear feet along the course of this lead, lode or vein of mineral bearing quartz, and three hundred feet in width on each side of the middle of said lead, lode or vein, situate in the Aravaipa Mining District, County of Graham, Arizona, and more particularly described as follows, to-wit:--

Commencing at this monument of stones being the center of the North-erly end of claim and upon which this notice is posted, thence west-erly (300) feet to a monument of stones; thence southerly (1500) feet to a monument of stones; thence easterly (300) feet to a monument of stones; being the center of the southerly end of claim; thence easter-ly (300) feet to a monument of stones; thence northerly (1500) feet to a monument of stones; thence westerly (300) feet to the place of beginning. This claim is situated about one half mile northerly from the spring on the Little Giant mine owned by Powell and Shanty and about two miles and a half southerly from the Aravaipa mine, owned by Charles Cunningham, at Cunningham Camp, and shall be known as the

GRAND REEF Mine. Located this 1st. day of January, 1893.

Witness:  
H W Stein  
D W Heyne Jr.

George McDonell  
George Raum  
Charles Cunningham.

This mine is formerly known as the "North Star"

Recorded Jan. 9th. 1893, at 2 O'clock P M at the request of George Raum.

H J Dowdle, Recorder.

\*\*\*\*\*

Territory of Arizona )  
County of Graham ) SS.  
Office of Co. Recorder)

I, Pedro Michelena, County Recorder of the County of Graham, Terri-ory of Arizona, DO hereby certify the foregoing to be a full, true, cor-rect and complete copy of the GRAND REEF Lode Mining claim, in the Aravaipa Mining District, said County and Territory, as the same ap-pears of record at folio 439 of Book #7 "Record of Mines" records of said County.

Witness my hand and seal of Office hereto attached this the 14th. day of March, A D 1899.

*Pedro Michelena*  
County Recorder, Graham County, Ariz





(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,

*Tucson Arizona*

*October 2<sup>d</sup>, 1899*

I, U. S. Surveyor General for *For the Dist. of Arizona*,

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Mining Claim of *Edward C. Platt*

....., known as the

*Grand Reef*

situate in *Aravaipa* mining district,

*Sraham* County, *Arizona*,

in Section *—*, Township No. *—*, Range No. *(unsurveyed)*

....., designated as Survey No. *1357*

executed by *Philip Coutzen*, U. S. Deputy Mineral

Surveyor, *June 6-8*, 1899, under my instructions dated

*March 24<sup>th</sup>*, 1899, 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

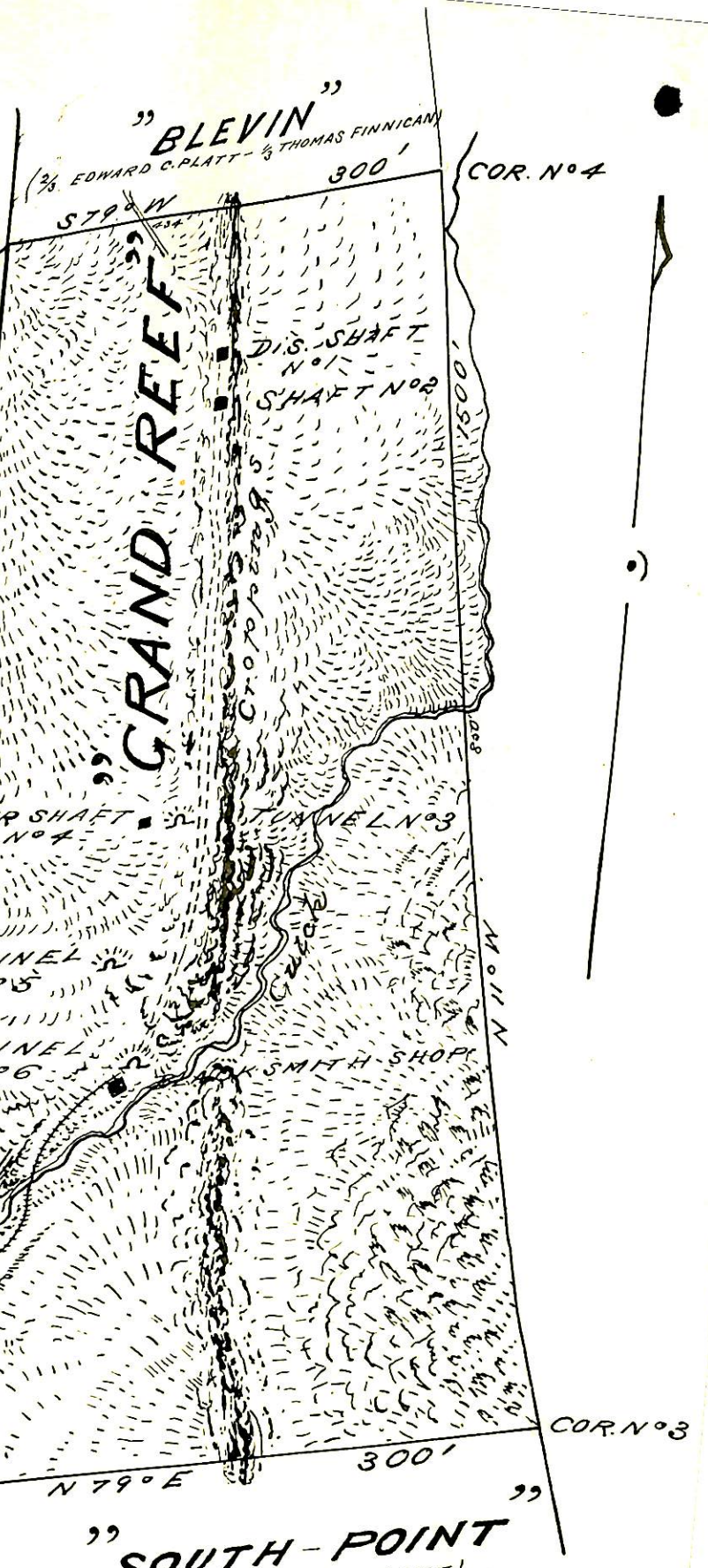
certificate filed by the applicant for survey is included in the field notes.

*George Christ*

U. S. Surveyor General for *Arizona*



COR. N°1  
 S 79° W  
 300'  
 COR. N°4  
 S 110° E  
 1500'  
 COR. N°2  
 N 79° E  
 300'  
 COR. N°3



"BLEVIN"  
 (2/3 EDWARD C. PLATT - 1/3 THOMAS FINNICAMY)

"SOUTH-POINT"  
 (EDWARD C. PLATT)

SURVEY N° 1357  
 Gila Land District  
 Surveyed June 6<sup>th</sup> - 8<sup>th</sup>  
 by Philip Conzen  
 U.S. Dep. Sur