

4-683

MINERAL SURVEY No. 3991

Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

J. E. O'Brien and W. J. O'Brien

KNOWN AS THE

Smelter Placer

Big Bug Mining District,

Yavapai County, Arizona

Section 23 & 26, Township 12 N, Range 1 E

Surveyed under instructions dated Sept 22, 1925

by R. L. Merritt
U. S. Mineral Surveyor.

Claim located See Location Notice, 19

Survey commenced Oct 20, 1925

Survey completed Jan 5, 1926

Address of claimant J. E. Russell Atty
Prescott Arizona

DATES OF AMENDED LOCATIONS.

See Location Notice

Letter to Merritt, 2-8-26 re elimination of House tract

Feet	Mineral
	Survey No. 3991 SMELTER PLACER
	Beginning at Cor. No. 1, identical with the loc. and with Cor. No. 2 Placer Claim No. 2 and Cor. No. 3 Placer Claim No. 1, Sur. No. 1798, A Schist stone 8X8X24 ins. set 12 ins. in the ground chiseled X-1-S-P, 3991, Whence Corp. to Secs. 22, 23, 26 & 27, T. 12 N. R. 1 E. Brs. N. 86° 23' W. 1594.52 ft.
	An Ash Tree 24 ins. diam. Scribed X-B.T. 1, S° P. 3991 Brs. N 81° 14' W. 19.3 ft. No other bearings available.
	Loc. Cor. Mound of stones 2X2 ft.
	Thence N. 9° 17' E. Va. 14° E
104.76	Intersect Sec. line between secs. 23, & 26 T. 12, N. R. 1 E. At S. 89° 54' W. 1608.24 ft. from sec. Cor.
130.	South bank Big Bug Creek, course S. 88° 00' E.
310.	North bank Big Bug Creek, course S 82° 00' E.
476.2	To Cor. No. 2, identical with the loc. and with Cor. No. 3 Placer Claim No. 2 Sur. 1798, A Granite stone 6X10X24 ins. set 12 ins. in the ground with mound of stones, chiseled 2-S.P. 3991, No bearings available. Loc. Cor. mound of stones 2 X 2 ft.
	Thence S. 71° 12' E. Va. 14° E.
560.	Cross North bank Big Bug Creek course N 86° E.
715.95	To Cor. No. 3, identical with the loc., a mound of stones 3 X 3 ft. As this Cor. is in Big Bug Creek I set a Witness Cor. S 7° 29' W. 141.9 ft. No bearings available at Cor. point.
	Thence S. 7° 29' W. Va. 14° E From ^{true} Cor. Point
1115.73	Cross south bank Big Bug Creek course S, 77° 00' E. 1, E
135.73	Intersect Sec. line between secs. 23 & 26 T. 12 N. R. 1 E at S 89° 54' W. 2328.23 ft. from sec. cor.
141.9	To Witness Cor. to Cor. No. 3, a Granite stone 8X14X24 ins. set 12 ins. in the ground with mound of stones, chiseled X-W° C° 3-S.P. 3991, No bearings available
619.4	Cross A.T & S.F.R.R.
1000.	To Cor. No. 4 identical with the loc. a Quartz stone 6X12X24 ins. set 12 ins. in the ground with mound of stones

chiseled X-4-S.P.3991, no bearings available. Loc. Cor. mound of stones 2X2 ft.

Thence N.78°02'W.Va. 14° E

585.3 Cross A.T.& S.F.R.R.

686.9 To Cor. No.5. identical with the loc. and with Cor. No.2 Sur. No.1798 Placer Claim No.1 a Post 4 X 4 ins. X 3 ft. above ground in mound of stones, scribed 2-P.C 1,1798. with nail in top, I chiseled it 5-S.P. 3991 on the side facing this claim. No bearings available. Loc. cor a post 4 X4 ins. X 4 ft., in mound of stones.

Thence N.4°28'E.Va. 14° E

611.7 To Cor.No.1 the place of beginning.

AREA

Total Area of Smelter Placer.....16.871 Acres.

ADJOINING CLAIMS

This Claim is bounded on the North by Home Stead Placer unsurveyed claimed by claimant hereof, on the East and South by unknown claims, claimants unknown, and on the West by Sur.No.1798 Placer Claim No1 and Placer Claim No. 2.

Expenditure of Five hundred dollars.

I certify that the value of the labor and improvements made upon this claim, by the claimant or his grantors is not less than five hundred dollars, and said improvements consist of::The following improvements all bear from

Cor.No.1. No.1 shaft S.60° E 331 ft. 5X5X25 ft.

Value..... \$250.00

No.2 shaft S.50°50'E 220 ft. 5 ft. diam. 22 ft. deep

Value..... \$180.00

No.3 shaft S.23°43'E.190.ft.4X4X17 ft. Value \$140.00

Total value of improvements.....\$570.00

(3)

Other improvements

From Cor.No.1 S.37°35'E 171.ft.to N.W.Cor.of house
16 X 18 ft. course of long side South.

From Cor.No.5 ,N.7°37' E.145.ft to S.W.Cor.of house
28 X 32[#] course of long side Ea st.

From Cor.No.5 N.18°07'E.396.ft.to S.W.Cor.of house
26 X 48[#] course of long side is North

From Cor.No.5 N.41°20'E 309 ft. to the S.W.Cor of house
20 X 22 ft. course of long side is North.

From Cor.No.4 N.24°07'W. 446.ft.to S.E.Cor.of house,
16 X 30 ft.course of long side is West.

From Cor No.4 N.18°33'W. 438 ft.to S.W.Cor.of house
40 X 47 ft. course of long side is East.

Location

This claim is located in Big Bug Mining District,
Yavapai County,Arizona,in Secs.23 & 26 T.12 N.R.1 E

Instrument,

This s urvey was made with a Gurley Transit,the Courses
were deflected from the meridian from direct Solar
observations.The distances were measured with a five
hundred and fifty foot steel tapes

Report

The tie line was run direct upon the ground.
Cor.to secs.22,23,26 & 27,T.12 N.R.1~~0~~E.is a pipe.
The posts were gone to Cor.No.3 Placer Claim No.1
identical with Cor.No.2 Placer Claim No.2 and Cor.No.3
Placer Claim No.2 Sur.No.1798,I found the bottom of the
old posts on planting the stones for these Corners.
From Cor. No.5, S.78°02'E.101.6 ft.to point on R.R.
Thence N 69°46'E.101.6 ft.to point on R.R.
Thence N.71°26'E.100.ft " " " " "
Thence N.78°24'E. 100.ft. " " " " "
Thence N.86°47' E 100." " " " "
Thence S.85°49'E. 100." " " " "

Thence S.77°28' E. 100.ft. to point on R.R.

Thence S.70°27' E. 31.3 ft. to point on line 3-4

Thence S.7°29'W. 180.6 ft.to Cor.No.4

~~Mr. O'Brien, requested me to eliminate Home Stead Placer
from this survey.~~

I was unable to find the $\frac{1}{2}$ Cor. between Secs.
23 and 26, T. 12 N., R. 1 E., or the witness cor.
thereto, both points fall in the creek.

Richard L. Merritt

Richard L. Merritt

U.S. Mineral Surveyor.

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

Department of the Interior,

-OFFICE OF U. S. SURVEYOR-GENERAL,
PUBLIC SURVEY OFFICE,

Phoenix, Arizona.

March 17, 1926

I, ~~U. S. Surveyor-General for~~ 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

J. E. O'Brien and W. J. O'Brien

known as the SMELTER Placer

situate in Big Bug

Mining District, Yavapai County, Arizona

in Section ~~23 & 26~~, Township No. 12 N., Range No. 1 E., and

designated as Survey No. 3991, 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 said mining claim by claimant or its grantors, and that said improvements consist of 3 shafts, total value \$570.

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.

John D. Adams

Office Cadastral Engineer.

~~United States Surveyor-General for~~

**CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM**

**DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE**

At Phoenix, Arizona,

March 17, 1926

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 _____

J. E. O'Brien and W. J. O'Brien

_____, known as the

SMELTER Placer

situate in Big Bug _____ mining district,

Yavapai _____ County, Arizona

in Section s. 23 & 26 _____, Township No. 12 N. _____, Range No. 1 E.

_____, designated as Survey No. 3991

executed by R. L. Merritt _____, U. S. Mineral

Surveyor, Oct. 20, 1925 - Jan. 5 _____, 1926, under my instructions dated

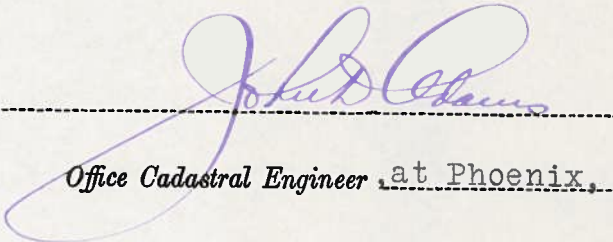
Sept. 22, _____, 1925, have been critically examined and the necessary

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 at Phoenix, Arizona.

FINAL OATHS FOR SURVEYS.

LIST OF NAMES.

A list of the names of the individuals employed by R. L. Merritt

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

J. E. O'Brien and W. J. O'Brien

known as the Smelter Placer

and showing the respective capacities in which they acted.

W. H. Merritt, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS.

I
We, W. H. Merritt

and, do solemnly swear that I we assisted R. L. Merritt

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

the boundaries of the mining claim of J. E. O'Brien and W. J. O'Brien

known as the Smelter Placer

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-

Office Cadastral Engineer at Phoenix
tions furnished by the United States Surveyor-General for Arizona

....., Chainman.

W. H. Merritt, Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 4th

day of Feb-, 1926

A. O. Barrett
Notary Public

My Commission Expires
Sept. 3-1928

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, Richard L. Merritt, U. S. Mineral Surveyor,
 Office Cadastral Engineer, at Phoenix, Arizona, do solemnly swear that, in pursuance of instructions received from the ~~United States~~ ^{Office Cadastral} Surveyor General for Arizona, dated Sep 22 - 1925, 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 J. E. O'Brien and W. J. O'Brien, known as the Smelter Placer, situate in Big Bug Mining District, Yavapai County, Arizona, in Section 23 and 26, Township No. 12 N., Range No. 1 E. and designated as Survey No. 3991, 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~~ ^{Office Cadastral Engineer} 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 claimants or their 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.

Richard L. Merritt
 U. S. Mineral Surveyor.

Subscribed and sworn to by the said Richard L. Merritt
 U. S. Mineral Surveyor, before me W. H. Merritt
~~Notary Public~~ this 4th
 day of February, 19 25

My Comm. Exp.
Jan. 18 - 1927

W. H. Merritt
 Notary Public

4-694.

Title Page to Report under Paragraph 62, Mining Circular, Approved June 24, 1899.

REPORT

Under paragraph 62, General Mining Circular, approved June 24, 1899, upon the Placer Mining Claim known as the *Smelter Placer*

claimed by *J. E. O'Brien & W. J. O'Brien*

situate in *Big Bug* Mining District, *Yavapai* County, *Arizona*, embracing

16.871 Acres of Sections 23 and 26.

in Sec. *23 & 26*, Town. *12 N*, Range *1 E*

Examination made *Jan 5* 19*06*

By *Richard L. Merrill*
U. S. Deputy Mineral Surveyor.

DESCRIPTIVE REPORT - SMELTER PLACER SURVEY NO. 3991

- A. The soil is gravel covered with a thin layer of sand and loam; some schist rock on the extreme southern end. Practically no growth with the exception of scattering oak brush, and three or four ash trees.
- B. Big Bug Creek flows in an easterly direction through the claim; approximate fall 3 ft. per hundred.
- C. The workings upon the claim consist of :-
No. 1 - A shaft 5'x5'x25' which bears S60°E 531.0' from Cor. No. 1.
No. 2 - A shaft 5 ft. in diameter, 22 ft. deep, which bears S50°50'E 220' from Cor. No. 1.
No. 3 - A shaft 4'x4'x17' which bears S23°43'E 190' from Cor. No. 1
- D. This claim is located just east of the town of Mayer.
- E. The west boundary line, 5 - 1 and 1 - 2 is common with the lines 2 - 3 Placer Claim No. 1, and line 2 - 3 Placer Claim No. 2, Survey No. 1798. The north line is common with the south line of Homestead Placer, unsurveyed. The claim is bounded on the south and east by unknown claims. There are no known lode claims in the immediate vicinity.
- F. This claim is well adapted for Placer Mining. The lower end, north end, has been worked by water from Big Bug Creek. This creek runs two or three months at a time during wet seasons. Water can always be developed at shallow depths near the creek. The entire claim can be worked by a ditch from Big Bug Creek, starting about 2000 ft. up stream.

Richard L. Merrill
U. S. MINERAL SURVEYOR

OATH OF UNITED STATES MINERAL SURVEYOR

Under paragraph 60, General Mining Circular, approved May 21, 1907.

I, Richard L. Merritt, U. S. Mineral Surveyor,
do solemnly swear that in pursuance of an order received from the U. S. Surveyor
General for Arizona, dated Sept. 22, 1925,
I have made, under the provisions of paragraph 60, General Mining Circular, approved
May 21, 1907, a personal and thorough examination, upon the premises, of the placer
mining claim of J. E. O'Brien and W. J. O'Brien
known as the Smelter Placer
situate in Big Bug Mining District,
Yavapai County, Arizona, embracing
16.871 Acres of Sections
23 and 26
in Township No. 12N, Range No. 1E, and that my report
of such examination, hereto attached, is specific and in detail, and is a full and true
statement of the facts upon all the points specified in the paragraph referred to.

Richard L. Merritt
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Richard L. Merritt, U. S. Mineral Surveyor,

before me J. Russell

this 6th day of March, 1926

J. Russell
Notary Public

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my Commission expires 1-27-29



CORROBORATIVE AFFIDAVIT UNDER PARAGRAPH 60, GENERAL MINING CIRCULAR.

APPROVED MAY 21, 1907.

State of Arizona

COUNTY OF Yavapai

L. F. Wilson and W. H. Merritt

being first duly sworn, severally depose and say that he is personally and well acquainted with the placer-mining claim of J. E. O'Brien and W. J. O'Brien, known as the Smelter Placer

Big Bug Mining District, Yavapai County, Arizona, embracing 16.871 Acres of Sections 23 & 26

in Township No. 12 N Range No. 1 E

and also with the character of all the land included in said claim, and has been so acquainted for year last past; that his knowledge of said claim and land is derived from Personal observation, having frequently passed over the claim and is such as to enable him to testify understandingly with regard thereto; that he has carefully read the foregoing report of Richard L. Merritt U. S. Mineral Surveyor, and that to his own personal knowledge said report is in all respects true and accurate.

R. Allison W. H. Merritt

Subscribed and sworn to by the above-named persons before me this 6th day of March, 1926

J. E. Purcell Notary Public

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My Commission Expires 1-27-29