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Field Notes

of the survey of

The Montezuma Mining & Mill-Site Claims,

and

The Margarita Mining & Mill-Site Claims

Situate Papago Mining Dist. Pima Co. A. T.

Claimed by Samuel Hughes Et. al.

Surveyed by S. R. De Long. Dep. Sur.

Survey commenced. July 9. 1873

Survey completed. July 10. 1873

188 11 E

7 158-9 E

1.

P 1-19

Preliminary Oaths of Assistants.

~~I, _____ do solemnly swear that I will well and truly perform the duties of Compassman, according to instructions given me, and to the best of my skill and ability.~~

~~Subscribed and sworn to before me, this _____ day of _____ 1877~~

~~U. S. Deputy Surveyor.~~

—♦—

We, *R. N. Leatherwood* and *Samuel Hughes* do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven

ground, and plumb the tally pins, whether 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 will assist in measuring, to the best of our skill and ability.

Two chambers

R. J. L. S. S. S. S.
 R. J. S. S. S. S.

Subscribed and sworn to before me, this 8th day of

July A. D. 1873

William J. Osborn
 U. S. Deputy Surveyor.

I, *H. S. Stevens*

do solemnly swear that I will well and truly perform the
duties of *Assessor*
according to instructions given me, and to the best of my
skill and ability.

H. S. Stevens
Assessor

Subscribed and sworn the before me, this *8th*
day of *July* A.D. 18*73*

William J. Osborn
Notary Public
U. S. Deputy Surveyor.

Lot No. 37. A. 005

Field notes
of the Survey of the
Montezuma Mine

Located in Papago Mining
District, Pima County, Ariz.
and claimed by Jose Fon-
ta, Pully, Ochoa & Co, Swee-
ney & Deatherwood, Samuel
Hughes, F. W. Goodwin, W.
C. Hooker, John Pitas, A.
Lazard, and Wm. J. Russ
Survey executed July 9. 1873
By S. R. DeLong, U. S. Dep.
Surveyor, under instructions
from Surveyor General for
Arizona: dated April 9. 1873

Survey of the Moulgumma Mine
 Located in Papago Mining District, Pima Co., Ariz.

Set Beginning at the N. W. cor. of
 the claim, I set a post and
 marked it No. 1. in mound of
 stones as per instructions for
 N. W. cor. from which
 San Domingo Peak bears N. 61°
 $25'$ W. 87.23 chs. dist.
 Bear Mountain bears N. $28^{\circ}45'$ E. 57.67 chs. dist.
 Thence S. $32^{\circ}30'$ E.

or 13° East.

(As per transit observations of Polaris)

845 Set a post in mound, marked
 No. 2. from which a shaft on ledge
 bears N. $57^{\circ}12'$ E. 200 feet dist.

2000 Set post in mound of stones as
 per instructions and marked
 it No. 3. for S. W. cor. of claim.
 Thence
 N. $54^{\circ}30'$ E.

Survey of the Montezuma Mine
 Located in Papago Mining Dist. Pima Co., Ariz.

Piet var. 13° East
 200 Center of lode and set a post in mound and marked "C".
 400 The S.E. cor. of claim and set a post marked No. 4. in mound of stones as per instructions.
 From this cor. the S.W. cor. of Montezuma Mill Site
 Thence $N. 32^{\circ} 30' W.$

var $13^{\circ} E.$
 1155 Set a post, marked No. 5, from which a shaft on lode has $S. 5\frac{1}{2}^{\circ} W.$ 200 feet dist.
 2000 The N.E. cor. of claim and set post marked No. 6. in mound of stones as per instructions
 From this cor. the S.W. cor. of Montezuma Mill - Site $S. 6^{\circ} 34' E.$
 800 feet dist.
 Thence

Survey of the Montezuma Mine
Located in Papago Mining District Pinal Co. Ariz.

Feet S 54° 30' W.

var 13° East

200 To center of lode where I
set a post marked C.

400 To point of beginning
Containing 18.36 Acres

From the Center Post on N. W.
Boundary I run S. 32° 30' E
along the course of the lode.

845 To brink of shaft where
I set post in mound of stones
and marked C. S. Shaft.

The shaft is 26 1/2 feet deep
and 8 feet wide by 4 1/2 feet.

1231 To a point from which another
shaft has. S. 20° E. 15 feet dist.
This shaft is 14 feet deep and
8 x 8 ft. wide. sunk in the solid rock.

Survey of the Montezuma Mine
Located in Papago Mining Dist. Pima Co. Ariz.

Feet Continued

2000 To center part on S. E. bound-
ary.

General Description.

The vein crops out in several places; its general course is S. 32 1/2° E. along low hills, and has an average width of 8 feet. The lode is composed of copper and silver bearing quartz.

This claim is situated about 30 miles S. of Tucson, on the E. side of the plain called Papago Llano, and about 6 miles E. of the road leading through this plain from Tucson to Altar, Sonora.

Survey of the Montezuma Mine
Located in Papago Mining Dist. Pima Co. Ariz.

The soil is unfit for cultivation and there is no water upon the claim.

The value of the labor and improvements upon this claim is one thousand dollars.

The claim is situated upon unencroached land.

S. R. DeLong
U. S. Dep. Surveyor
July 9. 1873.

Field Note
of the survey of the
Mill-Site of the Mon-
tezuma Mine.

Located in Papago Mining
District, Pima County A.T.
and claimed by Jose Pontez
^{Pulley, Ochoa & Co.}
Sweeney and Leacherwood,
Samuel Hughes, F. W. Good-
win, W. C. Hooker, John
Titus, A. Hazard and Wm
Jr Ross

Survey executed by S. R. De-
Long, U. S. Dep. Surveyor
July 10, 1873 under direction
from Surveyor General of
Arizona dated July 8, 1873.

Survey of the Montezuma Mine Mill - Su
 Located in Papago Mining Dist. Pima Co. Ar.

Feet Beginning at the N.W. cor.
 of the mill-site of the Mac-
 garita Mine, located in
 Papago Mining District,
 Pima Co. Ar. From thence
 N. 13° E.

var 13° East

(As per transit observations of Pola-
 50 To center of bed of Arroyo.
 200 To N.E. cor. where I set a post
 in mound of stones, as per
 instructions and marked
 N.E. C. No. 1.

Thence

N. 74° W.

var. 13° East

726 To N.W. cor. where I set a post
 in mound of stones as per
 instructions and marked

Survey of the Montezuma Mine Site
 Located in Papago Mining Dist. Pima Co. Ariz.

Feet N. W. C. No. 2.

Thence

S. 13° W.

var 13° East

200 To middle of arroyo.

300 To S. W. cor. where I set a
 post in mound of stones as
 per instructions and marked
 S. W. C. No. 3. from which
 A Mesquite tree 12 in. dia. has
 S. 45° E. 19 feet dist.

The N. E. cor. of Montezuma
 Mine has N. $64\frac{3}{4}^{\circ}$ W. 800 feet dist.

Thence

S. 47° E.

var 13° East

426 To S. E. cor. where I set a post
 in mound of stones as per instru-
 tions, marked S. E. C. No. 4

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Survey of the Montezuma Mine Mill - Site
Located in Papago Mining Dist. Pima Co. A.T.

Feet. Thence
N. 13° E.

100 or 13° East
To place of beginning
Containing 5 Acres.

General Description

Water can be found in the ar-
royo crossing this claim.

The land upon which this
claim is situated is non-
mineral.

S. R. DeLong
U. S. Dep. Surveyor

July 10, 1873.

Lot No. 38 A.

015

Field Notes
of the survey of the
Margarita Mine

Located in Papago Mining
District, Pima County, A.T.
and claimed by Samuel
Hughes, Julio Ochoa & Co
Guam S. Stevens, A. Hazard,
Jose Pontez and Miguel
Alvarez.

Surveyed July 9, 1873.

by S. R. DeLong, U. S. Dep-
Surveyor, under instructions
from Surveyor General of
Arizona dated April 9, 1873.

016

Survey of the Margarita Mine
Located in Papago Mining Dist. Pima Co. A.S.

Feet Requiring at the N. W. cor.
of the claim I set a post
marked N. W. C. in mound
of stones, as per instructions.

From which
San Domingo Peak has N. 56° W.
116.06 chs. dist.

The center Post on the S. E. bound-
ary of Montezuma Mine,
Papago Mining Dist. Pima
County A.S. has N. 44° W. $22\frac{1}{2}$
feet distant

The S. W. cor. of the Margarita Mine Mill
Site has N. 37° $34'$ E. 15.42 chs. dist.

Thence S 13° W.

Var 13° East

(Upon observations of Polaris)

1500 P. S. W. cor. of claim where I set
a post marked S. W. C. in mound
of stones as per instructions

Survey of Margarita Mine.

Located in Papago Mining Dist. Pima Co. Ariz.

Feet Line extends over gulches and high rocky point.

Thence

S. 77° E.

200 To center of lode, (which is here 15 feet wide,) and at an angle of elevation of 38° , where I built a monument of stones.

330 To a monument of stones on ridge or back-bone of mountains.

400 Descending at an angle of 38° to the S. E. cor. of claim, where I set a post in mound of stones as per instructions and marked S. E. C.

Thence

N. 13° E.

var 13° East.

1500 Over rocky ridges and gulches

Survey of the Margarita Mine
 Located in Papago Mining Dist. Pima Co. Ariz.

Feet to the N. E. cor. of claim where
 I set post in mound of stones
 as per instructions and marked
 N. E. C.

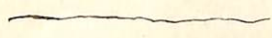
Thence
 N. 77° W.

var 13° East

80 At an angle of elevation of 38°
 to top of ridge where I set a
 monument of stones.

200 At an angle of depression of
 38° to center of lode where
 I set a monument of stones

400 To place of beginning
 Containing 13.77 Acres.



Survey of the Margarita Mine
Located in Pajago Mining Dist. Pima Co. Ariz.

Feet General Description

There are three shaft sunk upon the vein, upon which work is progressing.

Starting from post at N. W. cor. and run.

S 16° 14' E.

var 13° East

5-12 2/3 To a mesquite Post marked Ma. Min. No. 1. from which a shaft has W. 5 feet dia. This shaft is 12 feet deep and 12 x 8 feet in width and goes into the mountain at an angle of 45°.

In the ore from this shaft are found silver, lead, copper and a little gold.

Survey of the Margarita Mine
 Located in Papago Mining Dist. Pima Co. Ariz.

Post General Description (Continued)

The ledge here is 12 feet wide,
 From the Post E. of the Shaft, S. $26\frac{3}{4}^{\circ}$ W.

on 13° East

561 To post in mound of stones
 and marked Mag. Mn. No. 2,
 from which a shaft was
 sunk 5 feet deep.

This shaft is sunk in ledge
 18 feet and is $7\frac{1}{2} \times 5$ feet wide
 sunk in solid rock.

There is another shaft bear-
 ing S. 38° W. 6 feet deep from
 the monument of stones
 on center of ledge on N. boundary
 of claim.

The cost of labor in developing
 this mine thus far has exceeded

Survey of the Margarita Mine
 Located in Papago Mining Dist. Pima Co. Ariz.

Feet \$1000.00.

The general course of the vein
 is N. 13° E. and S. 13° W.

The vein is from 12 to 20 feet wide
 and in places crops out 10 to 12 feet.
 By observations taken from center of
 vein on N. and S. boundary of claim
 the mountain peak known as
 Babuquivari bro. from stone
 monument on center of N. bound-
 ary - S. 38° 30' W. 1843. 20 chs. dist.
 and from monument of stones
 on center of S. boundary it bro
 S. 39° W. 1824. chs dist.

S. R. DeLong
 U. S. Dep. Surveyor
 July 9. 1873

Lot No. 38 "P"
Field Notes

022

of the Survey of the

Margaret Mine Mill Site.

Located in Papago Mining
District, Pima Co., Arizona.

and claimed by Samuel
Hughes, Pullip, Ochoa & Co.,
Norman S. Stevens, Abraham
Jose Fontez, and Migniel Alvarez.

Survey executed by S. R. DeLong
U.S. Dep. Surveyor, under direc-
tions from Surveyor General of

Arizona, dated April 24, 1873.

Surveyed July 10, 1873.

Survey of Margarita Mine Mill Site
Located in Papago Mining Dist. Pima Co. A.S.

Set Commencing at the N. E. cor.
Set a Post in mound of
stones as per instructions, and
marked N. E. C. No. 1.
Thence I run
S 81° W.

var 13° East.

(As per Transit observations of Polaris)

275 To center of Sandy Arroyo,
in which good water can be
obtained by digging 3 or 4 feet.

363 To N. W. cor. where I set a
Post in mound of stones as per
instructions and marked
N. W. C. No. 2. from which
A Mesquite tree 10 in. dia. has W.
2 7/12 feet. dist

From the N. W. cor. I run

Summary of the Margarita Mine Mill. Site
located in Papago Mining Dist., Pima Co., Ariz.

Dist S 90° E.

var 13° E.

600 To S. W. cor. where I set Post
in mound of stones, as per in-
structions, and marked S. W.
C. No. 3. from this cor. the N. W. cor. of
Margarita Mine, has S 37.34° W. 15.42' h. dist.
thence N. 81° E. var 13° East

242 To center of sandy arroyo.

278 To a point opposite a Mesquite
tree, marked S. L. 3 1/2 ft.

363 To S. E. cor. where I set a post
in mound of stones as per in-
structions, and marked S. E. C. No. 4.
Thence I run
N. 90° W.

var 13° E.

131 To center of main sandy arroyo.

Smoya of Marganta Mini Mill - Site
 Located in Papago Mining Dist. Pima Co. A.T.

Dist Continued

600 To place aforementioned.
 Containing 5 Acres

General Description
 Good sweet water can be found
 in either of the arroyos crossing
 this claim and it is the only
 known water for miles.

The land upon which this
 claim is situated is non-
 mineral.

S R DeLong
 U.S. Dep. Smoya
 July 10. 1873

8

026

U. S. Surveyor General's Office.
Tucson, A. T. July 11. 1873.

The foregoing field notes of the survey of the Montezuma Mining and Mill-Site Claims and the Margarita Mining and Mill-Site Claims, situate in Papiago Mining District Pima County, Arizona, executed by S. R. DeLong, D. S., under instructions from this office, having been critically examined and the necessary corrections and explanations made, the said field notes and the surveys they describe are hereby approved

John W. Resner
Surveyor General

List of Names.

A List of the Names of the individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the surveys of the Montezuma Mine and Mill Site and the Margarita Mine and Mill Site, situate in Papago Mining District, Pima County (A.S.)

showing the respective capacities in which they acted.

R. A. Leatherwood	Compassman.
Samuel Hughes	Chainman.
H. S. Stevens	Chainman.
	Axeman.

Final Oaths of Assistants.

We hereby certify that we assisted *S. R. Schuyler*
 U. S. Deputy Surveyor, in surveying
 the Montezuma Mine and Mill Site
 and the Margarita Mine and Mill
 Site, situated in Pajago Mining
 District Pima County A.T.

and that said Surveys have been in all respects, to the
 best of our knowledge and belief, well and faithfully sur-
 veyed, and the boundary monuments planted according to
 the instructions furnished by the Surveyor-General.

Chasman
 and
 Arman

R. S. Seathmore
J. S. Steiner

sworn and subscribed to before
 me this 12th day of July A.D. 1878
William Coburn
 Notary Public

Final Oath of Deputy Surveyor.

I, Sidney R. DeLong a
 Deputy Surveyor, do solemnly swear that, in pursuance
 with ~~a contract with~~ instructions with ~~John~~ ~~W~~
 United States Surveyor-General for Arizona, bearing date
^{April 9 and 21 and the}
~~the~~ ^{the} 8th day of July 1873, I have well, faithfully
 and truly, in my own proper person, and in strict con-
 formity with the instructions furnished by the Surveyor-
 General, the Surveying Manual, and the laws of the
 United States, surveyed all those parts or portions of the
 Mill-site connected with
 the Montezuma Mining claim
 situated in Papago Mining District,
 Pima County, Arizona
 Territory, as also the Montezuma
 Mine and the Margarita Mine and
 Mill-Site, situated in Papago
 Mining District, Pima County
 A.T.

as are represented in the foregoing Field Notes as having

been surveyed under my directions; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the ~~Surveying Manual and printed instructions~~, and that the foregoing are the true and original Field Notes of such Survey.

S R DeLoe
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this twelfth day of July in 1873

William Osborn
Notary Public