

1752

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Preliminary Survey

BOOK 1752

1752

# Field Notes

OF THE SURVEY OF

The Exterior Boundaries  
of the  
Private Land Claim  
San Ignacio de la  
Cueva, Pima County,

~~Gila and Salt River Base and Meridian~~

**ARIZONA.**

By John L. Stearns, D. S.

Under contract dated Feb. 23, 1880

Survey commenced March 17, 1880

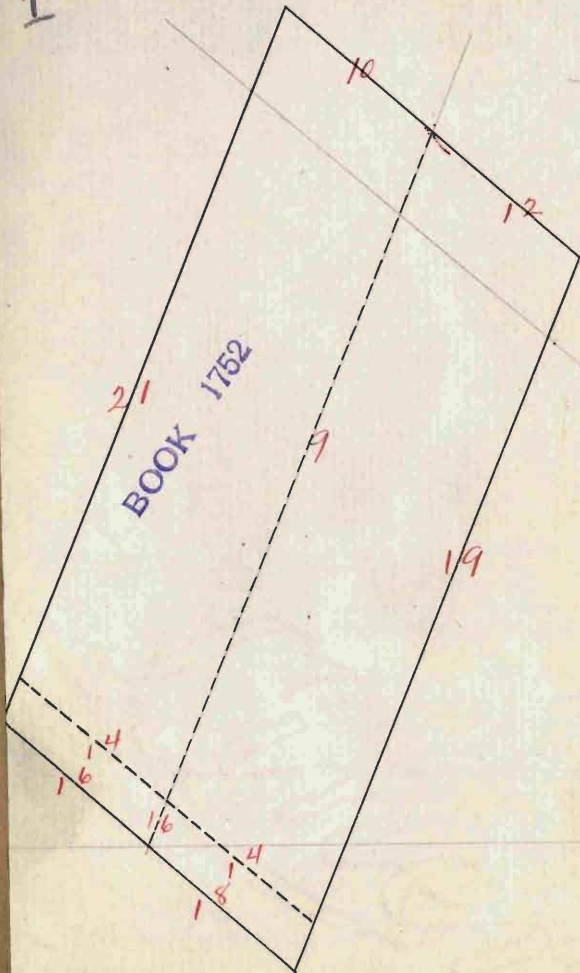
Survey completed March 26, 1880.

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Field Notes

of the Survey of the Exterior  
Lines of the San Ignacio  
de La Canoa

Private Land Claim

Situate in Pima County, Arizona.

Surveyed by Mr. L. Harris, D.S.

Under Contract dated Febr'y 23, 1880.

Surveyed March 17-26, 1880.

Preliminary Oaths of Assistants.

We, Everisto Saing  
 and F. A. Curtiss  
 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 as-  
 sist in measuring, to the best of our skill and  
 ability.

Everisto Saing  
F. A. Curtiss  
 \_\_\_\_\_  
 \_\_\_\_\_

Sworn to and subscribed before me, this 16<sup>th</sup>  
 day of March, 1880

Jos. L. Harris  
U.S. Dep. Surveyor

We, *Appolonis Garcia*  
and *F. C. Franco*

do solemnly swear that we will well and truly perform the duties of *Aseman and*  
*Flagman respectively*  
according to instructions given us, and to the best of our skill and ability.

~~Witness~~ *Geo. L. Harris* *Appolonis Garcia*  
*F. C. Franco*

Sworn to and subscribed before me this *16<sup>th</sup>*  
day of *March*, 18*80*

*Geo. L. Harris*  
*U.S. Dep. Surveyor*

## San Ignacio De La Canoa

Private Land Claim, Pima County, Ariz.

Preface.

On the 11th day of my contract with the Surveyor General of Arizona, dated February 23, 1880, for the preliminary survey of the Extension Lines of the San Ignacio De La Canoa Private Land Claim, the points and measurements given me were as follows:

The Initial point of the claim was the site of ancient San Ignacio De La Canoa, and the claim extended thence -

Northwaly, 348 Cordells.	} To Certain Points.
Southwaly, 22 Cordells.	
Westwaly, 50 Cordells.	
Eastwaly, 50 Cordells.	

And at the termination of the Northwaly length it

San Ignacio De La Cueva Private Land  
Claim, Pima County, Arizona

This was to extend 50 Cordellos on either side to certain points, and at the termination of the Southern length it was to extend 50 cordellos on either side, to certain points.

And the claim should enclose 4 square leagues of land.  
I use a vara of 33 inches.

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San Ignacio De La Canoa Private Land  
Claim, Pima County, Arizona

As, going thru to the ground, and making careful inquiry and personal investigation, I find that the site of San Ignacio De La Canoa is unknown.

But I am shown two mounds of stone on the E. and W. sides of the Santa Cruz Valley, respectively, in the vicinity of the well known Canoa Rancho, and which are claimed as the E. and W. termination of the S. boundary of the claim. The mounds are old, and after trial by measurement of other parts of the claim in connection with a line between these two mounds, I conclude that they are original and



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San Ignacio De La Cueva Private  
Land Claim, Pima County, Arizona

No. meant to mark the S. boundary of the claim; but that the measurement, like most of these old measurements, was very bad.

The entire width of the claim E. M., is 100 cordells, or  $208.33\frac{1}{3}$  chs., whereas I find by running random lines and calculating a true line between these two S. end monuments, that the course and length of the true line between these is S. E.,  $\frac{1}{2}$  N. W.,  $59^{\circ}20'$ , 408.28 chs.

I find further that the center point on true line between these two monuments is approximately the center of the valley. Now, from

San Ignacio De La Canea Private Land  
Claim, Pima County, Arizona

Re. the description of the original  
measurement of the claim  
it would seem that the  
main road was a sort of  
center line northerly and  
southerly through the claim.  
But this could not have been  
the case as the main road is  
in the extreme W. side of the  
valley nearly the whole length  
of the claim, and using it as  
a center line would lay the  
center of the claim on the W.  
side of the valley with the W.  
half of the claim almost entirely  
out of the valley while the E.  
line of the claim would ex-  
clude certain portions of the  
bottom lands of the valley.  
At the same time the center of the

San Ignacio De La Cueva, Private Land  
 Claim, Pima County, Arizona

So. S. boundary line, under such circumstances, would not be a center point between the two known monuments.

In the meantime, and to arrive at just conclusions, I run random lines from the center point between these two S. end mounds to the northward down the valley and establish the true length of the claim and its true course northerly to maintain its center approximately in the center of the valley. At the same time I study the topography of the adjacent country to the E. and W., and search for mounds and land marks. And I conclude:

San Ignacio De La Canea Private Land  
Claim, Pima County, Arizona

No. At a center point point between the two S. end monuments I am on the center of the S. end of each of the original location; the claim was laid equally over the valley thence to the northward, and the main road was used to approximate linear extent because it was easy to move upon or because approximate distances along it were established by frequent passage.

So, in the absence of other definite points, it would seem consistent with the spirit of the original location to base the claim on this known S. line and its center, and to lay it equally over the valley

San Ignacio De La Carroa, Private Land  
 Claim, Pima County, Arizona.

No. to the northward <sup>Eastward & Westward</sup> to the extent  
 of its measurement.

Therefore, at a point bearing  
 $N. 22^{\circ} 56' E.$

var.  $13^{\circ} 39' E.$

As per Burt's Solar Compass,  
 45.83 $\frac{1}{3}$  chains from the cen-  
 ter point between the two  
 S. end monuments I came  
 on the site of San Ignacio  
 De La Carroa, and I set  
 here a post 4 ft. long, 4  
 in. sq. d. in mound of earth  
 with trench, and mark it  
 S. I. S. L. C. I. Pt., as the in-  
 itial point of this survey.  
 Thence -

Mark's S. house to  $N. 2^{\circ} 09' W.$

San Ignacio De La Canoa Private  
Land Claim, Pima County, Arizona

Sts. 39. 35 chs. dist.

Maish's Canoa House br. N.  
20°43' E., 158.86 chs. dist.  
March 17, 1880.

And from this Initial Post, Iron  
N. 22°56' E.

var. 13°39' E.

As per Best Solar Compass  
(I note that public land sur-  
veys in this vicinity give variation  
of 13°, but these surveys were  
made in 1872, and variation ob-  
tained from transit observations of  
Polaris only.)

60.50 Fence br S W. E. and S E.

787.50 To a point approximately in cen-  
ter of valley, where I set a post  
4 ft. long, 4 in. sq'd. in mound  
of earth with trench and

San Ignacio De La Cueva, Private  
Land Claim, Pima County, Arizona

The marked S. D. S. L. C. C. N., for  
N. center of the claim. Thence  
The Cor. to Sp. 17 & 18 S. Rsp.  
13 and 14 E., Gila and Salt  
River Meridian, Arizona, Cro.  
N. 74° 44' E., 81.70 chs. dist.

The Saguaro, mentioned in  
the description of the original  
measurement, cannot be  
found in the vicinity or any-  
where along the line to the E.  
or W. for the whole width of  
the claim.

March 19, 1884.

Thence, Iron parallel with the course  
of a line between the two S. end mon-  
uments, -  
N. 59° 20' W.

700. 13° 41' East

San Ignacio De La Cuna Private  
Land Claim, Pima County, Arizona

- Do. As per Route Solar Compass.
- 49.00 Leave bottom land brs. NE and SW, run on mesa ascending W.
- 51.80 Main Road brs. S.W. and NE.
- 53.00 To a point where I set a post 4ft. long, 4 in. sq'd. in mound of earth with trench and marked S. D. S. L. C. P. L. C. This post I set to enable any interested to readily find the N. limit of the claim as surveyed. It stands in plain sight to the constantly travelled road and one mile, more or less, southerly from Salazar's House - a well known point.

And continuing on same course at 604.16<sup>3</sup>/<sub>5</sub> Set a post, 4ft. long, 4 in. sq'd. in mound of earth with trench, and marked



San Ignacio De La Cuna Private Land  
Claim, Pima County, Arizona

No. S.D. & L.C. N. 7<sub>1</sub> for the N. 7<sub>1</sub>  
cor. of the claim

Land ascending N<sub>1</sub> valley and  
mesa. Fine grass. Mesquite trees.

If this line were projected  
thence it would in course of  
a mile run over "a solitary  
hill with many black rocks,"  
and "on its right side there  
is a very low narrow hill".  
But I can find no mound of  
stones on it or elsewhere on line.

Returning to the N. center post from there  
S. 59° 20' E,

var. 13° 41' East

As per Built Solar Compass

- 14.70 Santa Cruz river, 25 lbs. wide, br. NE.  
48.50 Leave valley, br. NE and SW,

San Ignacio De La Cueva Private  
Land Claim, Pima County, Arizona

Sh. and some on rolling mesa.

104.16<sup>2/3</sup> Set a post, 4 ft. long, 4 in.  
sq'd. in mound of earth  
with trench, and marked  
S. D. S. L. C. N. E., for the N. E.  
cor. of the claim.

Level valley and mesa.  
Pine Grass. Some mesquite trees.

This point is "pointing the point  
of a mountain called Suria de  
los Muchachos", but the  
line if projected would  
run to the S. of the Muchachos.  
I find no cross on this line  
or vicinity.

March 20, 1880.

Returning now to the initial  
post at the probable site  
of San Ignacio De La Cueva

San Ignacio de La Cueva Private Land  
Claim, Pima County, Arizona

No. Run thence parallel with the  
course of the N. boundary -  
N.  $59^{\circ}20'$  W.

var.  $13^{\circ}39'$  East

As per Burt's Solar Compass

29.95 Fence cr. N.E. and S.W.

34.72 Main Road cr. N.E. and S.W.

48.00 Leave valley run into little can-  
yon cr. N.E.

58.00 Leave same and run on high  
mesa between two arms of same canyon.

104.16  $\frac{2}{3}$  Set a post, 4 ft. long, 4 in. dia.  
in mound of stones and  
marked S. I. D. L. C.

If find no mound of stones

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Returning to the Initial post  
Run thence  
S.  $59^{\circ}20'$  E.

San Ignacio De La Cueva Private  
Land Claim, Pima County Arizona

- Ths. var.  $13^{\circ}39'$  East  
As per Buitt's Solar Compass
- 1.87 Santa Cruz river, 138 hrs. wide, to N.E.
- 46.58 Fence to. N.E. and S.W.
- 47.08 Road to. N.E. and S.W.
- 49.00 Leave valley to. N.E. and S.W. and  
run on low table land.
- 104.16 $\frac{2}{3}$  Set a post, marked S.D. S.L.C.  
4 ft. long. 4 in. sq. d. in mound  
of stones. I find no mound  
of stones.

This is on clean table land  
in front of the lower part of  
the Santa Rita's, and further  
E. there is a cañon, "which  
continues towards the said  
mountains."

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San Ignacio de La Cuna Private Land  
Claim, Pima County, Arizona

No. Returning once more to the In-  
ital post, I run thence  
S. 22° 56' W.

var. 13° 39' E.

Aspen Burt's Solar Compass  
45.83% To center of S. boundary of  
the claim, where I set a  
post 4 ft. long, 4 in. sq. d.  
in mound of earth with  
trench, and marked S. I.  
S. L. C. C. S., for center  
cor. on S. boundary.

I cannot find or learn  
of a tree with a cross paint-  
ed on it in this vicinity.

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From this center post on the  
S. boundary of the claim  
I run

San Ignacio De La Cueva Private  
Land Claim, Pima County Arizona

Co. N.  $59^{\circ}20'W$ .

var.  $13^{\circ}40' E$ .

As per Rents Solar Compass.

34.08 Fence crs. NE. & SW.

37.80 Main Road crs. NE. and SW.

45.00 Leave valley crs. NE and SW  
and run on mesa and low hills.

104.16  $\frac{2}{3}$  On S. edge little ravine crs. E.  
Set a post 4 ft. long. 4 in.  
sqd. in mound of stones  
and marked S. D. S. L. C.  
S. W., for the S. W. cor. of the  
claim. The stone monument  
recognized as the original W.  
termination of the S. boundary of  
the claim crs. from this post  
N.  $59^{\circ}20'W$ . 97.47 chs. dist.

Land, valley and low hills. Some  
mesquite & Cottonwood trees

March 22. 1888.

San Ignacio De La Llanos Private Land  
 Claim, Pima County Arizona

The Returning to the Center post on  
 S. boundary of claim, Dime thence  
 S.  $59^{\circ}20'E$ .

var.  $13^{\circ}40'$  East

As per Burt Solar Compo

3.14 Santa Cruz river, 180 hrs. wide, br. N.E.

10.10 Acequia br. N.E. and S.W.

14.30 Deep dry wash 74 hrs. wide, br. N.E.

45.75 Fence br. N.E. & S.W., And run  
 out of bottom land on to mesa  
 land ascending E.

49.56 Road br. N.E. and S.W.

104.16 $\frac{2}{3}$  Set a post, 4 ft. long. 4 in. sq. d.  
 in mound of stones and  
 marked S. I. D. L. C. S. E.  
 for the S. E. cor. of the claim.

The Stone mound recognized  
 as the E. original termination  
 of the S. boundary of the  
 claim br. from this post

San Ignacio De Laguna Private Land  
 Claim, Pima County, Arizona.

To S.  $59^{\circ}20' E$ , 94.47 chs. dist.

This post is on "a low  
 stony table land facing the  
 Santa Rita mountains" and  
 if the line were projected east-  
 wardly it would run to the  
 N. of a heavily "wooded  
 cañon" coming down from  
 the mountains.

Land valley and mesa.  
 Cottonwood and mesquite trees.

And from this S. E. cor. of  
 the Claim I run along the  
 E. boundary -  
 N.  $22^{\circ}56' E$ .

var. 14741 East

As per Bart's Solar Compass

5.83/3 I should intersect the post



San Ignacio de La Cueva Private Land  
Claim, Pima County, Arizona

This set previously S.  $59^{\circ}20'$  E.  $104.16\frac{2}{3}$  Chs. from the Initial post of the claim. But my flag is 14 lns. to the Eastward of that post and my chain is 30 lns. short. I correct the two lines by each other, setting the post, as before, S.  $59^{\circ}20'$  E. 14 lns., and then closing the chain on the post as  $45.83\frac{1}{3}$  Chs., and continue on -

- 196.00 Flat cañon br. NW & SE.  
 213.66 Leave same br. NW & SE.  
 366.50 Ravine br. N. of W.  
 373.80 Leave same br. N. of W.  
 376.75 Road br. NW and SE.  
 433.75 Ravine br. NW and SE.  
 445.35 Leave same br. NW and SE.  
 805.25 Ravine br. NW and SE.  
 814.80 Leave same br. NW and SE.  
 833.33 $\frac{1}{3}$  The line should intersect the

San Ignacio De La Cueva Private Land  
Claim, Pima County, Arizona

To N.E. cor. of the claim but while  
my flag is immediately on  
E. side of the post the  
chain is 88 lvs. short.  
I have lost this on the  
long line and bad ground,  
and I close on the post.

Land rolling mesa.

Good grass. Some mesquite trees.  
March 24, 1880.

Going now to the N.W. cor.  
of the claim, from thence  
S.  $22^{\circ}56'N$ .

var.  $14^{\circ}42' E$ .

As per Burts Solar Compass

150.00 The line which has run over  
level mesa ascending N,  
now runs on rolling ground.

774.44 Prairie br. S.E.

San Ignacio De La Cueva Private  
Land Claim, Pima County, Arizona

Rs. Continued

786.14 Leave same br. S. E.

787.50 Line should intersect the  
post set N. 59° 20' W. 104.16  $\frac{2}{3}$  chs.  
from the initial post of the  
claim. But the flag is 12  
lks N.W. of post and the  
chain is 60 lks. short.

I correct the lines by  
each other setting the post  
as before, on line to the N.W.  
and closing on it, and  
continue on same course.

810.46 Ravine br. E.

815.33 Leave same br. E.

823.03 Ravine br. E.

833.33  $\frac{1}{3}$  Leave ravine br. E. The line  
ought to intersect the S.W.  
cor. of the claim but the flag  
is 15 lks. N.W. of the post

San Ignacio De La Cueva Private  
Land Claim, Pima County Arizona

Ths. and the chain is 16 U.S. Feet.  
I correct by setting the S.W.  
cor., as before, on line to the  
N.W. and then closing the  
chain on it.

Thus completing the  
lines of the survey, and  
enclosing an area of  
17,361.11 Acres.

March 26. 1880.

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## General Description

The San Ignacio De La Canoa Private Land Claim, as just surveyed, lies in the valley of the Santa Cruz river to the N.W. of the Santa Rita Mountains, in Pima County, Arizona.

Its S. line crosses the valley about half a mile to the N. of where the Aravaaca road makes junction with the main road down the Santa Cruz, and the claim runs thence northw<sup>th</sup> with the valley to within about one mile of Salazar's House which is the first house to the N. of the well known Canoa Ranch house.

With the exception of

the two houses and improvements owned by the claimants of the grant there are no improvements and no one else living upon the ground enclosed in the survey.

There is some good agricultural land in the bottom but very little running water, and at present the claim is chiefly valuable for its fine grazing and stock facilities. There is heavy Sacaton grass in the bottoms.

The wood is mesquite and cottonwood in considerable quantities.

From careful observation  
I do not think there is  
any mineral land in  
the claim.

John L. Harris  
U.S. Dep. Surveyor

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**List of Names.**

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*A List of the Names of Individuals employed  
to assist in running, measuring, or marking the  
lines and corners described in the foregoing Field  
Notes of the survey of*

*The Estero  
Luis of the San Ignacio  
De La Cueva Private  
Land Claim, Pima  
County, Arizona*

*Showing the respective capacities in which they  
acted.*

*Evans Sautz* Chainman.

*F. A. Curtiss* Chainman,

*Appolonis Garcia* Axeman.

*F. C. Franca* Flagman.



## Final Oath of Assistants.

We hereby certify that we assisted John  
L. Harris U. S. Deputy Surveyor, in  
 surveying The Exterior Line  
of the San Ignacio De La  
Canoa Private Land  
Claim, Pima County,  
Arizona.

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

Evaristo Sainz Chairman.

F. A. Curtiss Chainman,

Witness  
Mo. L. Harris Apollonio <sup>his</sup> Garcia Axeman.

H. C. Stone Flagman.

Sworn to and subscribed before me, this 27<sup>th</sup>  
 day of March, 1880.

Mo. L. Harris  
 U. S. Dep. Surveyor

Final Oath of Deputy Surveyor.

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I, John L. Harris

U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract with John Wasson, United States Surveyor-General for Arizona, bearing date the 23<sup>rd</sup> day of February

1880. I have well, faithfully and truly, in my own proper person, and in strict conformity with the instructions furnished by the Surveyor-General, the Surveying Manual, and the laws of the United States, surveyed all those portions of

The Exterior Lines of the  
San Ignacio De La Ca-  
noa Private Land Claim  
Pima County, Arizona,

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 also in accordance with the additional requirements con-~~

~~tained in circular instructions from the U. S. Surveyor-General for Arizona, dated September 1, 1873, regarding the establishment of corner boundaries of public surveys, and that the foregoing are the true and original Field Notes of such surveys.~~

*John L. Harris*  
Deputy Surveyor.

Sworn to and subscribed before me, this *27<sup>th</sup>* day of *March*, 18*80*

*John R. Farrell*  
Notary Public



U. S. Surveyor General's Office,  
Tucson, Arizona, April 9, 1880

The foregoing Field Notes of the survey of

Preliminary Survey of the  
 Exterior Boundaries of the  
 San Jacinto de la Cueva, Private  
 Land Claim, Pima County,

~~of the Gila and Salt River Base and Meridian, Arizona,~~

executed by John L. Harris,

D. S., under his contract of the 14<sup>th</sup> day of

January, 1880, having been critically ex-

amined and the necessary corrections and explanations

made, the said Field Notes and the surveys they de-

scribe, are hereby approved.

John Massie,

Surveyor General.