

1746

Field Notes

Preliminary
OF THE SURVEY OF

The exterior boundaries of that portion of the "Los Nogales de Elias" private land claim lying in Arizona and also running the necessary connecting lines in the State of Sonora, Mexico.

Gila and Salt River Base and Meridian

ARIZONA.

By *George James Post* Ruge D. S.

Under contract dated *Feb. 28, 1881.*

Survey commenced *April 8, 1881.*

Survey completed *April 12, 1881.*

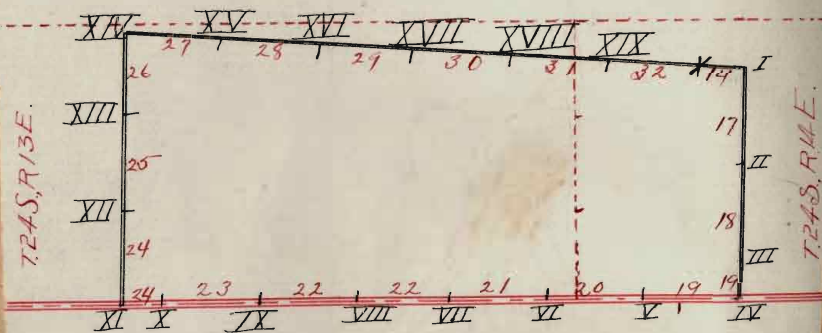
1746

1746

1746

BOOK 1746

Index



old notes of the preliminary Survey
of
all that portion of the

Los Nogales de Elias
Private Land Claim

situated in
Pima County, Territory of
Arizona.

with Traverse lines run in Arizona
 and the State of Sonora, Mexico
 from the Tibuta to the north
 Boundary of the Los Nogales de
 Elias private Land Claim.

Surveyed by.

Geo. J. Roskrance

U. S. Dep. Surveyor

under his contract of Feby. 25. 1881.

Survey comm. April 8. 1881

" completed April 12. 1881.

Preliminary Oaths of Assistants.

We, G. W. Richards
 and John S. O Daly
 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.

G. W. Richards
John S. O Daly
Frank G. Drew
W. M. May

Sworn to and subscribed before me, this 6th
 day of April, 1881

George J. Roskrug
 Notary public

D
Cain

We, Frank C. Drew and
W. S. Mabry

do solemnly swear that we will well and truly per-
form the duties of Aceman and
Flagman

according to instructions given us, and to the best
of our skill and ability.

Frank C. Drew
W. S. Mabry

Sworn to and subscribed before me this 16th
day of April, 1881

George J. Roskrug
Notary Public

2

Los Nogales de Elias, Private Land Claim
Pima County, Arizona.

In accordance with instructions dated Feby. 28. 1881. from John Wasson. U. S. Surveyor Genl. Arizona, I proceeded to Los Nogales de Elias, meeting with no one who could with any degree of certainty point out to me the tree near the little hill marking the South boundary of the Los Nogales de Elias Private Land Claim, also the north boundary of the Casita Private Land Claim in the State of Sonora, Mexico in the Casita Valley, I proceeded down the Casita Valley, to the Old Sibuta Ranch, on the West side of the Casita Valley, the remains of the old houses being distinctly traceable, From a point directly opposite

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs. of the old Cibuta Ranch,
about $\frac{1}{4}$ of a mile distant
and on the Main Road
leading up the Casita Valley
from Magdalena Sonora
to Tubac Arizona. I run
along said road towards
Tubac. $\text{Var. } 12^{\circ} 30' \text{ E.}$ as per
observation of Polaris.

1 186.00 $\text{N } 10^{\circ} \text{ W.}$

Thence I run $\text{Var. } 12^{\circ} 30' \text{ E.}$

2 214.00 $\text{N. } 42^{\circ} 30' \text{ W.}$ thence

3 260.00 $\text{N. } 28^{\circ} \text{ W.}$ thence

4 173.33 $\text{N. } 6^{\circ} \text{ W.}$

making 400 cordels or 833.33chs
being the measurement given,
from the Cibuta to the north
line of the Casita Land Claim
at this point I cut a notch on
an Oak tree 18 in. dia.

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs about 200 feet West of road
 and 2 notches on an Oak tree
 18 in. dia. 150 feet East of road.
 There was nothing at this point
 answering the description given
 me of the "Cross on Oak tree
 standing near little hill and
 highway leading up Casita Valley"
 and knowing from experience
 that the old Mexican Surveyors
 approximated most of their
 distances, I continue the
 line up the Valley

31.00 N. 15° 15' W

Var. 12° 30' E.

Thence Iron. same variation

15.20 N. 26° 30' E.

Thence

25.20 N. 37° 30' E

Thence

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs

⁸ 43.80 N. $18^{\circ} 15' E.$

Var. $12^{\circ} 30' E.$

Thence I run same Variation

⁹ 22.45 N. $25^{\circ} E.$

Thence

¹⁰ 21.00 N. $21^{\circ} 15' E.$

Thence

¹¹ 19.87 N. $27^{\circ} 45' E.$

Thence

¹² 10.50 N. $32^{\circ} 30' E.$

Thence

¹³ 20.90 N. $28^{\circ} 30' E.$

Thence

¹⁴ 13.30 N. $30^{\circ} 45' E.$

Thence

¹⁵ 16.40 N. $25^{\circ} 15' E.$

Thence

¹⁶ 4.15 N. $24^{\circ} 15' E.$

to a tree on highway near
little hill, apparently the

Los Nogales de Elias Prioste Land claim

Pima County, Arizona

"Little Hill" going over the divide, between the Cassita and Potosi valleys, the tree being near the top, and shows indications of having, at one time a + cut upon it, skin deep. The tree is now 2 feet in dia.

From this point I measure 22 cords, or 45.83 chains towards the East, hoping to find the monument described as "terminating on some all hills" but here again the distance must have been guessed at, as the line would have had to be extended at least another mile before it would reach some little hills, which were no doubt the ones, meant in the description, as they

Los Nogales de Elias Private Land Claim

Pima County Arizona

are the only hills, any where near the road leading up the Casita Valley.

The following notes will I think clearly show, that the old Mexican Surveyors ran up the road until they came to the divide and "little hill" although it was considerably over the required measurements and there marked the oak tree for the north boundary of the Casita Ranch, and that it was from this point that the surveyors measured the 340 ~~cordels~~ cordels along the road for the Los Nogales Land Claim.

This line I was informed by Peter Hitchen an old resident of the Potrero

Los rogales de Elias Pivete Land Claim

Pima County, Arizona

Valley was really measured in the year 1842. and it will be seen that it very nearly coincides with the measurement made by myself. I therefore take it for granted that my starting point is correct. inasmuch as the mound at the north end of the claim is so easily identified from description that there can be no mistaking it.

I may also here state that after I had completed my measurement I went back and was shown the same tree by Mr. Stone a gentleman living at the Rancho de la Plata, who

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs informed me that the said tree, had often been pointed out to him, as the one marking the northern boundary of the Casita Land Claim.

From this tree I now run along the road towards the monument of stone by side of road marking the north boundary of the Los Nogales de Elias private land claim
Variation $12^{\circ} 34' E$. as per observation of Polaris

¹⁷ 26.50 N. $31^{\circ} 15' E$

Thence same var.

¹⁸ 16.30 N. $44^{\circ} 15' E$.

Thence

¹⁹ 22.15 N. $40^{\circ} 45' E$

Thence

Los Nogales de Elies Private Land Claim
Pima County, Arizona.

chs		Var. $12^{\circ} 34' E$.
²⁰ 20.15	N. $28^{\circ} 30' E$.	Thence same var.
²¹ 15.50	N. $48^{\circ} E$	Thence
²² 11.90	N. $28^{\circ} 45' W$	Thence
²³ 6.20	N. $6^{\circ} 45' E$	Thence
²⁴ 14.20	N. $41^{\circ} E$	Thence
²⁵ 21.00	N. $22^{\circ} 30' E$	Thence
²⁶ 16.10	N. $10^{\circ} 30' E$	Thence
²⁷ 12.15	N. $32^{\circ} E$	Thence
²⁸ 42.35	N. $21^{\circ} 15' E$	Thence
²⁹ 10.10	N. $20^{\circ} E$.	

Los Nogales de Elias Private Land claim

Pima County, Arizona

- chs Thence Var. $12^{\circ} 34' E$
- ³⁰ 58.18 N. $4^{\circ} W$. Custom House 4 chs Right
April 8. 1881.
Thence Var. $12^{\circ} 34' E$
- ³¹ 7.00 N. $18^{\circ} W$.
Thence same var.
- ³² 21.60 N. $36^{\circ} 30' W$.
Thence
- ³³ 40.86 N. $23^{\circ} 10' W$.
Thence
- ³⁴ 21.35 N. $9^{\circ} 20' W$
Thence
- ³⁵ 30.74 N. $20^{\circ} 45' W$.
Thence
- ³⁶ 21.77 N $0^{\circ} 15' E$
Thence
- ³⁷ 17.75 N. $5^{\circ} 30' E$
Thence
- ³⁸ 27.36 N $13^{\circ} 45' E$
Thence

Los Nogales de Elias Private Land Claim

Pima County, Arizona

- chs Var. $12^{\circ} 34' E.$
- ³⁹ 17.10 N. $44^{\circ} 10' E.$ to U. S. Bdy. Mon't.
Thence same var.
- ⁴⁰ 32.70 N. $32^{\circ} 40' E.$
Thence
- ⁴¹ 43.10 N. $42^{\circ} 40' E.$
Thence
- ⁴² 36.80 N. $31^{\circ} E.$
Thence
- ⁴³ 9.40 N. $17^{\circ} 20' E.$ House 50 lbs west.
Thence same var.
- ⁴⁴ 20.48 N. $12^{\circ} 45' N.$
Thence
- ⁴⁵ 12.93 N. $53^{\circ} 45' N.$
Thence
- ⁴⁶ 26.60 N. $0^{\circ} 45' N.$
Thence
- ⁴⁷ 36.88 N. $10^{\circ} 15' N.$ to the
monument of store on
highway, in a low place

Los Nogales de Elias Private Land claim

Pima County, Arizona

at the mouth of a wide
Cañada, which comes
down from the Pajarito
mountains on the West.

I find alongside this
monument a post 4 in.
squared, in mound of earth
marked T. C. P. L. C. E.

established by J. L. Harris
U. S. Dep. Surveyor March
9. 1880. and marking the
southern limit of the
Tumacacori and Calabases
private land claim.

Here I set an oak post 5 feet
long 4 in. squared in the
mound of stones marked

L. N. D^E E. P. L. C. I. M.
no trees near, for the
Initial Monument of the

Los Nogales de Elias Private Land Claim

Pima County, Arizona

Survey of that portion of
the Los Nogales de Elias private
Land Claim which is situated
in the Territory of Arizona.

April 9. 1880.

Although I make the measure-
ment 717.20 chains as against
708.33 or 340 cords I believe
that I have found the north
and south boundaries of the
claim.

I now make the necessary
calculations and find
that I am 639.06 chs north
and 118.61 chs East of the
Oak tree with the cross, the
initial point of the Grant
in Sonora, this makes the
course and distances between
the 2 monuments to be

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs S. $10^{\circ} 31'$ W. 649.95 chs.Quon run S. $86^{\circ} 07'$ EVar. $12^{\circ} 34'$ E.

along the South Boundary line
of the Tumacacori and Calabasco
Private Land Claim as run
by John L. Harris, U. S. Dep. Sur.
in March 1880.

15.50 Old road to N & S.

34.00 Foot of small ridge running
north into Valley for about
3 chains

35.00 Summit

36.00 Foot.

Line running along South side
of glen.

45.83 To a point where I establish
^{or} 22 cords to the N. E. cor. of the claim.

I set a post 4 ft long 4 in. squared
1 foot in the ground and

Los Nogales de Elias Pivote Land Claim

Pima County, Arizona

built around it a mound
of stones, post marked
L. N. D^E E. P. L. C. N. 1. N. E. from
which an Oak 20 in. dia. br
S. 55° E. 2.40 chs distant.
no others near.

Old monument on hill br
S. 66° E. 8.30 chs distant.

this is no doubt the monument
mentioned as "towards the East,
to a hill at the base of which
are many live oaks."

some oaks, good grass, land level.

From this point I find that
a line run N. $86^{\circ} 07'$ W. will
take me towards, where the
Pajarito Mountains disappear
in the direction of the north."

I therefore take this course
for the north boundary

Los Angeles de Elias Private Land Claim

Pima County, Arizona
of the Grant.

Having now found the course and distance, from the South to the North boundary monuments, and the course of the North boundary and assuming the South boundary to run parallel to the North, I find that to include an area embracing $7\frac{1}{2}$ Square Leagues and two caballerias of land or 32,763.67 acres the North and South lines must have a length of 507,49 do the East and West lines 549,95 do and that the portion lying in the Territory of Arizona will contain 10,638.68 acres.

with the

Los Rogales de Elias Private Land Claim

Pima County, Arizona

chs North line running S. $86^{\circ} 07' E$ 505.33 chs ^{505.33}
 East " " S. $10^{\circ} 31' W$ 192.90 chs ^{152.96}
 South " " West 512.84 chs
 West " " N. $10^{\circ} 31' E$ 229.10 chs

April 9. 1881

I now commence at post No. 1. at
 the N. E. cor. of the Land Claim
 and run thence forming an angle
 of $83^{\circ} 22'$
 S. $10^{\circ} 31' W$.

Var. $12^{\circ} 34' E$.

- 4.00 Leave Valley and enter rolling hills
- 10.00 Gulch flows West.
- 15.00 " " "
- 40.00 " " "
- 57.00 " " "
- 69.50 " " "

80.00 Set an Oak post 5ft long 4x4 inches
 in woods of stores and marked
 L. N. D. E. P. L. C. No. 11, from which
 An oak 15 in. dia. br S. $39^{\circ} 15' E$. 70 chs

Los Nogales de Elias Prieto Land claim
Pima County, Arizona

cls an Oak 12 in. dia br N. $40^{\circ}45' E$. 80 lbs
House at Nogales br S. $45^{\circ} W$. about $\frac{1}{4}$ mile dist.
Land rolling hills, good grass
some scattering oak

Thence

S. $10^{\circ} 31' W$.

Var. $12^{\circ} 34' E$.

16.00 Enter little Valley bearing West

30.00 Leave same

37.00 Little Valley 3 chs wide br West
line runs along edge of little hills
with Valley to West.

80.00 Set an oak Post 5 feet long 4×4 inches
in mound of stones and
marked L. N. D^E E. P. L. C. No. III.

from which an

• Oak 10 in dia br N. $58^{\circ}45' W$ 130 lbs
no other trees near.

Land rough and rocky, good
grass and some scattering oaks

Los Angeles de Elias Privat Land claim

Pima County, Arizona

chs Thence

S. $10^{\circ} 31''$ W.

Var. $12^{\circ} 34'$ E.

32.00 Intersect U. S. Boundary line where I set an Oak Post 5 feet long 4x4 inches in pit 1 foot deep and build around it a mound of stones Post marked

L. N. D. E. P. L. C. No IV. S. E. for the S. E. corner. no trees near.

Land rolling grasshills some scattering oaks along line.

From this monument

I run

West turning an angle of $100^{\circ} 31'$

Var. $12^{\circ} 34'$ E. along the boundary line between the U. States and Mexico.

55.00 Road from Magdalena to Tubac to N. E. & S. W. & enter Patrons Valley.

Los Nogales de Elias Private Land claim

Pima County, Arizona

chs

- 56.58 U. S. Boundary Monument erected by Major Emory, the stone on which the legend was cut I found to be broken into several pieces.
- 77.00 Leave valley and enter rolling grass hills
- 80.00 Set an oak Post 4 feet long 4 x 4 inches in ground of stone and marked L. N. D. E. P. L. C. No. V. no trees near, Land for 1st 1/2 mile rough and rocky last 1/2 mile valley and rolling hills good grass, some scattering oak.

Thence
West

Var. 12° 34' E

- 54.60 cor. to Fractional Secs 13 & 18.

Los Nogales de Elias Pivete Land claim
Pima County, Arizona

Spo 24 S. Ranges 13 & 14 E. the
corner a post in mound with
pits. no trees near.

80.00 Set an oak Post 5 feet long 4x4 inches
in mound of stones and marked
L. N. D^E E. P. L. C. No. VI. from which
an oak 15 in. dia. brs N. 34° 15' W. 13 lbs dist.
Land rolling grasshills, some
Oak.

Thence

West.

Var. 12° 34' E.

7.00 Enter Long Valley or Glen, bearing
S. N. E. & W. S. W.

41.00 Leave same and enter rolling hills

80.00 Set an oak post 5 feet long 4x4 inches
in pit 1 foot deep & build around
it a mound of stones, mark post
L. N. D^E E. P. L. C. No. VII. from which
an Oak 15 in. dia. brs N. 81° 45' E. 80 lbs dist.

Los Angeles de Elias Private Land Claim

Pima County, Arizona

chs. no other trees near. Land for
1st half mile level last 1/2 mile
rolling grass hills

Timber scattering oak

Thence

West.

Var. $12^{\circ} 34' E.$

80.00 Set an oak post 5 feet long 4x4
inches in pit 3 feet deep marked
L. N. D. E. P. L. C. No. VIII. from which
An oak 12 in. dia. br. $46^{\circ} 15' W.$ 65 lbs

" " " " $N. 72^{\circ} E.$ 61 "

Land rolling grass hills

Timber some scattering oak

Thence

West.

Var $12^{\circ} 34' E.$

3.00 Enter long valley or glen bearing
 $E. N. E.$ & $N. S. W.$ at the mouth of
which, is the initial monument

Los Angeles de Elias, Private Land claim

Pima County, Arizona.

chs.

16.00 Leave Valley and enter rolling hills
 80.00 Set oak post 5ft long. 4+4 inches
 in mound of stones. marked
 L. N. D. E. P. L. C. N. O. IX. from which
 an oak 8 in. dia. br. N. 50° W. 166 lbs
 no other trees near.

Land rolling grasshills, Pines
 scattering oak.

Then

West.

Var. 12° 34' E.

66.00 Lime crosses large Iron ledge
 80.00 Deep Gulch, Set a Juniper post.
 5 feet. 4+4 inches in mound of
 stones (built on the right side
 of deep rough gulch) marked
 L. N. D. E. P. L. C. N. O. X. from which
 a Juniper 10 in. dia. br. S. 57° E. 55 lbs det.
 no other trees near.

Los Angeles de Elias Private Land Claim
Pima County, Arizona

chs Land rolling grass hills, Trees
scattering oak, juniper, Mineral
for best 1/2 mile. Iron.

Thence

West.

Var. $12^{\circ} 34' E$.

6.50 Gulch flows E. N. E. & N. S. W.

32.86 This being the distance required
to be run on this line I set
an Oak Post 5ft long 4x4 in.
in monument of stone built
on the left bank of deep rocky
cañon. flowing S. S. E. I marked
x post L. N. D^E E. P. L. C. S. W. No. XI.
for the S. W. cor. no trees near.

Land rough hills covered with
grass and scattering oaks
Indications of minerals along line.
I now run. N. $10^{\circ} 31' E$.

Var. $12^{\circ} 34' E$

Los Nogales de Elias Private Land Claim

Pine County, Arizona.

*
chs forming an angle of $79^{\circ} 29'$
10.50 Line runs over top of high round hill
30.00 Gulch flows East.

65.00

80.00 Set an Oakpost, 5ft long 4x4 ins.
in mound of stones, marked

L. N. D^E E. P. L. C. NO. XII. from which
an oak 9 in. dia. to N. $4^{\circ} 45' W.$ 98 lbs

" " S. " " N. $45^{\circ} 15' E.$ 110 lbs.

Land rough & broken covered
with grass, timber scattering
oak indications of mineral
along line.

Hence

N. $10^{\circ} 31' E.$

Var. $12^{\circ} 34' E.$

3.00 Top of hill

12.00 Ravine flows East

46.00 " " "

71.00 " " "

Los Nogales de Elias Private Land Claim

Pima County, Arizona

chs

20.00

Set an oak post 5 feet long 4x4 ins
in hole 1 foot deep and build
around it a mound of stones

Post marked L. N. D. E. P. L. C. No. XII

from which an oak 6 in. dia. br S. 30° E. 109 lbs
no other trees near, Land rolling
grasshills. Timber scattering
oak, indications of mineral
along south part of line.

Thence

N. 10° 31' E.

721. 12° 34' E

31.00 Ravine flows East.

45.00 " " "

57.00 " " "

69.10 To the N. West cor. where I set
an oak post 5 feet long 4x4 ins
in mound of stone, marked
L. N. D. E. P. L. C. No. XIV. - N. W.

Los Angeles de Elias Private Land Claim

Pima County, Arizona.

from which

An oak 6 in. dia. by S. 58° W. 240 lbs
no other trees near.

Land rolling grasshills

Timber scattering oak

April 10. 1881.

The point where the "Pajarito
Mts break towards the North"
is at least four miles West
of this corner, which shows
that the Mexican Surveyors
paid no attention, to distance
and area, but as was their
usual custom ran from
mountain to mountain.

I now turn an angle of $96^{\circ} 38'$
and run.

S. $86^{\circ} 17' E.$

For $12^{\circ} 34' E.$

Los Nogales de Elias Private Land Claim
Pima County, Arizona

chs

8.00 Ravine flows S. E.

12.00 " " "

22.00 " " "

42.00 " " "

53.00 " " "

71.00 " " "

78.00 Enter Glen running S. N. E.
towards the cienega grande

80.00 marked an oak tree in
place 18 in. dia. L. N. D. E. P. L. C. No XV.
from which.

An oak 12 ins. dia. br S. 49° W. 70 lbs

" " 10 " " S. 10° W. 80 lbs

Land rolling hills covered
with grass, Timber scattering
Oak.

Thence

S. 86° 07 E.

Los Nogales de Elias, Private Land Claim

Pima County, Arizona

- chs Var. $12^{\circ} 34' E$.
- 6.00 Leave Glen bearing S. N. E.
- 25.00 Ravine runs South
- 67.00 " " S. E.
- 80.00 Set an oak post 5 feet long 4+4, ins
in mound of stones, marked
L. N. D^E E. P. L. C. No. XVI. from which
an oak 12 ins dia. br N. $75^{\circ} E$. 96 lbs
" " 18 " " " S. $33^{\circ} W$. 80.
no other trees near. Land
rolling grasshills, Timber
scattering oak
Thence
S. $86^{\circ} 07' E$.
Var. $12^{\circ} 34' E$.
- 25.00 Enter long narrow valley or Glen
bearing S. N. E. & N. S. W.
- 43.00 leave Glen.
- 74.00 Ravine runs into main Glen
about 15 chs N. E.

Los Nogales de Elias Private Land Claim
Pima County, Arizona

chs

80.00 Set an oak post 5 feet long 4x4 ins.
in pit 1 foot deep and build around it
a mound of stones marked post
L.N.D.E.E.P.L.C. No. XVII. from which
an oak 12 ins. dia. to N. 57° W. 70 lbs
no other trees near, land rolling
grasshills, timber scattering oak
Thence

S. $86^{\circ} 07'$ E.

Var. $12^{\circ} 34'$ E.

24.00 Ravine flows north

50.00 " " S. E.

60.00 " " N. E

73.00 " " N. W.

80.00 marked an oak tree in place
18 ins. dia. L.N.D.E.E.P.L.C. No. XVIII.
near head of little gulch running
N. W. from which an oak 15 ins dia
to South 35 lbs

Los Angeles de Elias Private Land Claim

Pima County, Arizona.

chs Land rolling grass hills,
Timber scattering oaks.

Thence

S. $86^{\circ} 07' E.$

Var. $12^{\circ} 34' E.$

8.00 Gulch runs South and
cross Sec. line, bet Secs. 1 & 6, of Sp.
24 S. bet. Ranges 13 & 14 E.

8.000 Set an oak post, 5 feet long 4x4 ins.
in pit 2 feet deep & build around it
a mound of stones, marked post
L. N. D. E. P. L. C. No. XIX, no trees
near, land rolling grass hills
Timber scattering oak

Thence

S. $86^{\circ} 07' E.$

Var. $12^{\circ} 34' E.$

10.000 Enter Valley or Glen, bearing N. S. W.
& East named in the description
as the "wide Glen" which comes

Los Nogales de Elias Private Land claim

Pima County, Arizona

Chs out of the Pajarito Mts. and
18.80 cross S. W. line of the Estancia.

40.00 leave Valley or Glen.

line runs over little point

58.50 Road from Magdalena to
Tubac to S. E. & N. W. W.

59.50 I close 80 lbs South after
post marking the initial
point of survey.

April 11. 1881

Containing 10,638.68 acres

It will be seen by reference
to the map of the survey of the
Private Land claim of Tumacacori
& Calabasas surveyed by John
L. Harris the S. Dep. S. in March
1880. that in the S. W. corner
of the Estancia there is a little
gog & that in running the
North boundary of the Los

Los Nogales de Elias Private Land Claim

Pima County, Arizona.

Nogales de Elias Private Land Claim I crossed this & thus make the boundaries of both claims run the same course viz.

S. $86^{\circ} 07' E$.

I do this so that when the final survey is made the South line of the Estancia claim may be made to conform to the north line of the Los Nogales de Elias Private Land Claim, especially as U. S. Dep. S. John L. Harris in his report recognizes the monument by the road as the "South limit" of the Estancia in the Potrero Valley."

Los Nogales de Elias Private Land Claim

Pima County, Arizona

General Description.

About one third of the Los Nogales de Elias private Land Claim lies in the Territory of Arizona the other $\frac{2}{3}$ being in the adjoining state of Lower Mexico.

The portion surveyed lies wholly in Arizona & embraces some of the finest grazing land in the Territory, there is a stream of water running through a portion of the Eastern part of this land Grant.

There is considerable oak timber & along the West line there are also several mineral ledges.

Los Nogales de Elias Private Land Claim

Pima County, Arizona.

April 12. 1881

George J. Roskrige
Deputy Surveyor.

List of Names.

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 Exterior boundaries of that portion of the "Los Nogales de Olivas" Private Land Claim lying in Arizona, and also running the necessary connecting lines in the State of Sonora, Mexico. Showing the respective capacities in which they acted.

G. W. Richards Chainman.

John Ingham O. Daly Chainman,

Frank C. Drew Axeman.

W. S. Mabry Flagman.

37

Final Oath of Assistants.

We hereby certify that we assisted George
James Roskrige U. S. Deputy Surveyor, in
 surveying the exterior boundaries
of that portion of the "Los Nogales
de Elias" private Land Claim
lying in Arizona and also running
the necessary connecting lines in
the State of Sonora, Mexico.

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.

G. Richards Chairman.
John Lyman Chainman,
Frank C. Green Chainman.
W. Mabry Flagman.

Sworn to and subscribed before me, this 14th

day of April, 1881

George J. Roskrige
 Notary Public

Final Oath of Deputy Surveyor.

I, *George James Rostrunge*
U. S. Deputy Surveyor, do solemnly swear that
in pursuance of a contract with John Wasson,
United States Surveyor-General for Arizona, bear-
ing date the *28th* day of *February*
1881. I have well, faithfully and truly, in my
own proper person, and in strict conformity with
the instructions furnished by the Surveyor-Gener-
al, the Surveying Manual, and the laws of the
United States, surveyed all those portions of the
exterior boundaries of that
portion of the "Las Nogales de
Élias" Private Land Claim lying
in Arizona and also running the
necessary connecting lines in the
State of Sonora, Mexico... as are repre-
sented 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 perpet-
uated in strict accordance with the Surveying
Manual and printed instructions, and also in ac-
cordance with the additional requirements con-

39

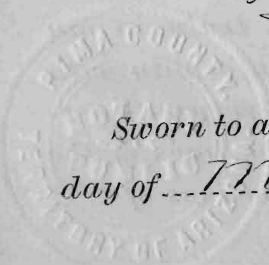
BOOK 1746

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.

George James Roskrige
Deputy Surveyor.

Sworn to and subscribed before me, this 26th
day of May, 1881

William A. Osborn
Notary Public



U. S. Surveyor General's Office,
Tucson, Arizona, June 20., 1881

The foregoing Field Notes of the survey of ~~the~~
~~exterior boundaries of that portion of the "Los~~
~~Nogales de Elias" private land claim lying in Ar-~~
~~izona and also running the necessary connecting~~
~~lines in the State of Sonora, Mexico~~
~~of the Gila and Salt River Base and Meridian, Arizona~~
executed by George James Roskrug
D. S., under his contract of the 28th day of
February, 1881, 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 Masson,

Surveyor General.