

Book B.
GILA AND SALT RIVER BASE LINE
THROUGH
RANGES 23 AND 24, W.

1677

1677

BOOK 1677

4-671

BOOK 1677

4-671
FIELD NOTES
GENERAL LAND OFFICE.

1677

Preliminary Oaths of Assistants.

We, *C. Hamilton, Alfonzo Lopez,*
and *J. E. Snow, and S. T. Todd*
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 lengths
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 *Gila and Salt*
River Base, through Ranges
Nos. 23 and 24 West

of the *Gila and Salt River Base and Meridian*, in the Ter-
ritory of Arizona.

C. Hamilton Chainman.
Alfonzo Lopez Chainman.
J. E. Snow Chainman.
S. T. Todd Chainman.

Sworn and subscribed before me, this *20th*
day of *February*, 1902

L. W. Bishop

Notary Public.

Commission Expires

[SEAL.]
March 20 1904

We, *Alturo Lopez* 10 21

and *A. W. Graubenberg*

do solemnly swear that we will well and truly perform the
duties of *flagman and axeman*
respectively

in the establishment of corners and other duties, according
to instructions given us, and to the best of our skill and
ability, in the survey of the *Gila and*

Salt River Base, through
Ranges Nos. 23 and 24

West **BOOK 1671**

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona.

alturo Lopez Flagman.
A. W. Graubenberg Axeman.
..... Axeman.
..... Axeman.

Subscribed and sworn to before me this *20th*

day of *February* 1902

L. W. Bishop
Notary Public.

commission expires
March 20, 1904

102
02

1677

21

BOOK 1677

Field Notes
of the survey of the
Gila and Salt River Base
through
Ranges Nos. 23 and 24 West
from the
Gila and Salt River Meridian
in the
Territory of Arizona
as surveyed by
John A. Barry
U.S. Deputy Surveyor

Under his contract No. 84
Dated July 13, 1901

Survey commenced March 21, 1902
Survey completed March 25, 1902.

Names and Duties of Assistants.

C. Hamilton Chairman.

Alfonzo Lopez Chairman.

J. E. Snow Chairman.

S. T. Todd Chairman.

A. W. Frankenberg Clerkman.

Alturo Lopez Flagman.

BOOK 1677 INDEX

Gila and Salt River Base through
Ranges 23 and 24 West.

34	31	32	33	34	35	36
6750.33	30	25	22	17	6	10
	1	6	5	4		

BOOK 1677

Gila and Salt River Base

Chains.

Through Range 23 West.

Latitude $33^{\circ}22'40''N$, Longitude $114^{\circ}36'46''W$ Survey commenced March 21, 1902
and executed with the Young
and Sons transit No. 5787before described in *W body T 31 R 23 W*I begin at the closing cor. of
Sectional Guide Meridian,
between sec. 3 and 4 T. 15.R. 23 W., now established by
me and described in my
notes of the survey of the east
boundary of T. 15, R. 23 W.,
From this cor. I direct the
telescope $5.0^{\circ}2' E$, along line
of Sectional Guide meridian
as just ran by me, on
alignment verified by
observation on Polaris,

Gila and Salt River Base

Chains.

magnetic declination being
14° 00' east, and turn off
an angle of 89° 58' toward
the east, and run east
on the tangent S. of sec. 34
of T. 1 N., R. 23 W.

4.50

Over rolling mesa land
Gulch 30 lks. wide, course
N. 25° W.

24.00

Head of gulch 5 lks. wide,
course N. 23° W.

Difference between meas-
urements of 27.86 chs., by
two sets of chainmen, is 2 lks.;
position of middle point

By 1st set 27.85 chs.

By 2nd set 27.87 chs.; the
mean of which is

27.86

N. 0.06 ft. from the tangent

Through R. 23 W. - continued

chains.

Set a malpais stone, $20 \times 8 \times 6$ ins.; 15 ins. in the ground, for standard err. of sec.

~~33~~ ^{and 35} 34 marked S.C. on N., with 2 grooves on E., and 4 grooves on W. faces; and raised a mound of stone, 5 ft base, 3 ft high, N. of err.

Pits impracticable.

Sand rolling mesa.

Soil, gravelly; 2nd rate.

No timber.

March 21, 1902.

East on the tangent, S. of sec. 35.

Over level mesa

35700

To edge of mesa, bears $N. 55^\circ W.$, and $S. 55^\circ E.$, descend 40 ft.

Gila and Salt River Base

chains

36.00

Enter wash valley, and palo verde and palo fierro timber, bear N. 55° W., and S. 55° E.

Difference between measurements of 40.00 chs.;

By two sets of chain men is 8 lks.; position of middle point.

By 1st set 40.04 chs.

By 2nd set 39.96 chs.; the mean of which is

40.00

No. 32 ft. from the tangent,

Set a malpais stone, 20 x 8 x 6 ins.; 15 ins. in the ground,

for standard 1/4 sec. cor., marked

S. C. 1/4 on N. face; from which

A palo verde, 8 ins. diam., bears

N. 69° E., 118 lks. dist., marked

S. C. 1/4 S., B. T.

Through R. 23 W. - continued.

rains.

A palo fierro, 12 ins. diam., bears
N. 47° W., 22 lks. dist., marked
S. C., $\frac{1}{4}$ S., B. T.

43.00

Leave the wash valley and
timber, bear N. W. and S. E.;
begin ascent to mesa.

44.00

Top of ascent and edge of mesa,
bears N. W. and S. E.; thence
over mesa.

57.00

Begin ascent.

62.25

Top of ridge, 40 ft. above mesa,
bears N. W. and S. E.; descend 40 ft.

70.00

Foot of descent on mesa, bears
N. W.; thence along N. base of hills

Difference between meas-
urements of 8000 chs.;
by two sets of chain men,
is 12 lks.; position of middle
point.

Gila and Salt River Base

chains.

By 1st set, 79.94 chs.

By 2nd set, 80.06 chs.; the
mean of which is

80.00

No. 81 ft. from the tangent;

Set a malpais stone, 18x10x6
ins., 12 ins. in the ground, for
standard cor. of sec. 35 and 36
marked S. C. on N, with 1
groove on E. and 5 grooves on
W. faces; and raised a
mound of stone, 5 ft. base,
2 ft. high, N. of cor.

Pits impracticable.

Sand, nearly level.

Soil, gravelly; 2nd rate.

Timber, palo verde and
palo fierro.

Through R. 23 W. - continued.

Chains.

S. $89^{\circ}59'$ E., on the tangent-S.
of sec. 36.

Over mesa.

22.00 Descend 20 ft. and enter wash,
bearing (up) S. 37° E., and
down N. 68° W., thence through
scattering palo verde and
palo fierro timber.

33.00 Leave the wash course N. 60° W.,
ascend 5 ft. thence on low mesa
or valley.

Difference between the meas-
urement of 40.00 chs., by
two sets of chainmen, is 4 lbs.,
position of middle point

By 1st set, 40.02 chs.

By 2nd set, 39.98 chs., the
mean of which is

40.00 N. 1.51 ft. from the tangent,

Gila and Salt River Base

Chains X

Set a malpais stone, $24 \times 6 \times 5$ ins., 18 ins. in the ground, for standard $\frac{1}{4}$ sec. ev., marked S.C. $\frac{1}{4}$ on N., from which
 A palo verde, bins. diam., bears N. 31° W., 246 lks. dist., marked S.C. $\frac{1}{4}$ S., B.T.

A palo verde, bins. diam.; bears N. 56° ^E W., 248 lks. dist., marked S.C. $\frac{1}{4}$ S., B.T.

A detached hill 300 chs. diam., 30 ft. high, bears S.E. 300 chs. dist.

44.00 Gulch 10 lks. wide, course N. 60° W.

Difference between measurements of 80.00 chs., by two sets of chain men, is 4 lks., position of middle point
 By 1st set, 79.98 chs.
 By 2nd set, 80.02 chs. the

Through R. 23 W. - continued.

ains.

80.00

mean of which is
 N. 2.44 ft. from the tangent,
 Set a malpais stone, 24" x 26
 ins., 18 ins. in the ground, for
 standard err. of Tps. 1 N. Rs. 22
 and 23 W., marked S. C. on N.,
 with 6 grooves on N., E., and
 W. faces; and raised a
 mound of stone, 4 ft. base,
 2 ft. high, N. of err., from which
 A palo verde, 12 ins. diam, bears
 N. 17° E., 241 lks. dist, marked
 T. 1 N., R. 22 W., S. 31, B. T. ✓

A palo verde 12 ins. diam, bears
 N. 71° W., 553 lks. dist, marked
 T. 1 N., R. 23 W., S. 36, B. T. ✓

I raised a mound of stone,
 4 ft. base, 2 ft. high, N. of err.
 sand level.

Gila and Salt River Base

Chains.

Soil, gravelly; 2nd rate.

Timber, scattering palo verde
and palo fierro.

March 22, 1902.

At the point 244 ft. south
of this standard cor. of Tps.
1N., Rs. 22 and 23W., in
latitude $33^{\circ} 22^{\frac{1}{2}}' N$, longitude
 $114^{\circ} 34' W$, I observe Polaris
at western elongation,
March 22, at 7^h. 11^m. p. m., ✓
by my watch, which is 3
minutes slow of local
mean time, in accordance
with instructions in the
manual, and mark the
line thus determined on

Through R. 23 W. - continued.

chains.

a stone, five chains north
of my station.

March 22, 1902

March 23, 1902; at 7 a. m.,
I lay off the azimuth
of Polaris, $1^{\circ} 27'$ to the east,
and for future reference mark

X the TRUE MERIDIAN thus
determined; by a mark
on a stone, firmly set in
the ground, east of the
point established last
night, the magnetic
bearing of said true
meridian is $N. 14^{\circ} 3' W.$,
which reduced by the
table on page 100 of the
Manual, gives the mean
magnetic declination,

Gila and Salt River Base

Chains.

14° 00' East. At this station I turn off from the true meridian, an angle of 89° 59' toward the west and find that the alinement of the Base is correct.

I return to the closing cor. of sec. 3 and 4, T. 15., R. 23 W., on the Gila and Salt River Base;

Thence I run

West on the tangent S. of sec. 34.

Over mesa land.

7.00 To edge of mesa, bears N. W. and S. E., descend 40 ft.

Difference between meas.

Through R. 23 W. - continued

chains.

Worments of 12.14 chs, by
two sets of chain men is 2 lks.;
position of middle point

By 1st set, 12.13 chs.

By 2nd set, 12.15 chs.; the
mean of which is

12.14 N.O. 009 ft. from the tangent,

Set a malpais stone, 20 x 6 x 6
ins., 15 ins. in the ground,
for $\frac{1}{4}$ sec. cor. marked

S.C. $\frac{1}{4}$ on N. face; from which
A palo verde, bins. diam., bears

N. 83° W. 171 lks. dist., marked

S.C. $\frac{1}{4}$ S, B.T.

A palo fierro, 12 ins. diam., bears
N. 60° W., 170 lks. dist., marked

S.C. $\frac{1}{4}$ S, B.T.

12.40

Gulch 20 lks. wide, course N. 62° W.;
ascend and rolling

Gila and Salt River Base

Chains.

30.64

Gulch 5 lks. wide, course N. W.

24.00

Top of ascent and edge of mesa, 40 ft. above $\frac{1}{4}$ sec. cor., bears N. W. and S. E.

36.00

Descend S. W. slope, 30 ft.

39.60

Gulch 10 lks. wide, course N. 35 W.; thence over lower mesa.

49.00

Change from gravelly to sandy lands.

Difference between measurements of 52.14 chs., by 2 set of chainmen, is 6 lks. position of middle point

By 1st set, 52.17 chs.

By 2nd set, 52.11 chs.; the mean of which is

52.14

N. O. 18 ft. from the tangent

Set a malpais stone, 20 x 8 x 8 ins., 15 ins. in the ground

Through R. 23W. - continued.

Charris.

for standard cor. of secs.
33 and 34, marked
S.C. on N., with 3 grooves
on E. and W. faces, from which
A palo verde, 12 ins. diam.; bears
N. 69° W., 287 fks. dist.; marked
T. 1N., R. 23W., S. 33, B.T. ✓

No other tree within limits;
raised a mound of stone,
covered with earth, 4 ft. base,
2 ft. high, N. of cor.

This cor. stands on sandy
mesa about 40 ft. above
Cibola Valley.

Sand, undulating mesa.

Soil, gravelly and sandy;
2nd rate.

Timber a few palo verde
and palo fierro trees.

march 23 1902.

Gila and Salt River Base.

Chains.

West on the tangent S of
see 33.

Over sandy mesa.

14.00 Begin descent from mesa,
bears N. 70° E, and S. 70° W.

19.00 Foot of descent, 30 ft. below mesa,
enter ravine 100 ch. wide,
bearing (up) S. 70° E, thence
down same.

28.50 Leave the ravine, course N. W.;
ascend 40 ft.

30.50 Top of ascent and edge of
mesa, bears N. W.

Difference between meas-
urement of 40 chs., by two
sets of chainmen, is 4 lks.;
position of middle point
By 1st set, 40.02 chs.

By 2nd set, 39.98 chs.; the

Through R. 23 W.; - continued.

chains.

mean of which is

40.00

N. 0. 57 ft., from the tangent
 Set a malpais stone, 26 x 8 x 6
 ins., 20 ins. in the ground,
 for standard $\frac{1}{4}$ sec. cor., marked
 S. C. $\frac{1}{4}$ on N. face; from which
 A palo fierro, 8 ins. diam., bears;
 S. 84° E., 132 lks. dist., marked
 S. C. $\frac{1}{4}$ S. B. T.

A palo verde, 10 ins. diam., bears
 N. 28° E., 72 lks. dist., marked
 S. C. $\frac{1}{4}$ S. B. T.;

Draised a mound of stone,
 4 ft. base, 2 ft. high, N. of cor.

This cor. stands on mesa,
 about 40 ft. above Abola Valley
 Gulch, 20 lks. wide, course N. W.

65.00

Difference between a meas-
 urement of 80.00 chs.; by

Cibola and Salt River Base

Chains.

two sets of chainmen, is 4 lks.

position of middle point

By 1st set, 79.98 chs.

By 2nd set, 80.02 chs.; the
mean of which is

80.00

N. 1.17 ft. from the tangent

Set a malpais stone, 24x14x15

ins; 18 ins. in the ground,

for standard err. of secs.

32 and 33. marked

S.C. on N., with 4 grooves on
E. and 2 grooves on W. faces;and raised a mound of
stone, 5 ft. base, 2 ft. high,
N. of err.

Pits impracticable.

This err stands on mesa,
about 30 ft. above Cibola Valley.
Sand, level.

Through R. 23 W. - continued.

Chains.

Soil, sandy and gravelly;
2nd rate.

Timber, a few palo verde and
palo fierro trees, in places.

March 24, 1902.

At the cor. of sec. 32 and 33;
on evening of March 24, 1902,
^{at 7h. 13 m. p. m.}
I observe Polaris, while at
western elongation, in
accordance with instruc-
tions in the Manual, and
set peg on observed line,
4 to 5 chs. distant, to mark
its direction.

On morning of March 25, 1902,
I lay off from line determined
last evening, an angle

Gila and Salt River Base

Chains:

of $88^{\circ}33'$, which added to $1^{\circ}27'$, the Azimuth of Polaris, gives 90° from the true meridian to the west, (needle shows mean magnetic declination of $14^{\circ}00' E.$), and run west on the tangent, S. of sec. 32nd

X

Over mesa

12.75-

Leave mesa (descend 5 ft.) and enter Cibola Valley bears N. and S.

14.00

Mouth of wash 1.00 ch. wide, enters from S. $30^{\circ} E.$, then e skirting along N. base of low mesa.

21.30

Rise 3 ft. to mesa land, bears N. and S.

25.00

Road from Yuma to Ehrenberg, bears, N. E. and S. W.

Through R. 23rd. - continued.

- Chains.
26.85 Wire fence bears N.E. and S.W.;
leave mesa and reenter
Cibola Valley, bears N.E. and S.W.
- 27.84 Center of the Cibola Canal,
which is 40 lks. wide at bottom,
60 lks. wide at top, and 5 ft. deep;
(dry at present) course $S. 40^{\circ} \frac{3}{4} W.$;
distant $S. 40^{\circ} \frac{3}{4} W.$, 12.50 chs.
from its point of diversion
at reservoir.
- 28.50 Enter mesquite, and arrow-
wood undergrowth, bears
N.E. and S.W.
- 37.10 Road from Rancho Pader
to reservoir, bears $N. 35^{\circ} E.$
and $S. 35^{\circ} W.$
Difference between meas-
urement of 40.00 chs. by two
set of chainmen, is 2 lks.

Gila and Salt River Base

chains.

Position of middle point

By 1st set, 39.99 chs.

By 2nd set, 40.01 chs. the
mean of which is

40.00

N.O. 11 ft. from the tangent,
Set a mesquite post, 3 ft. long,
5 ins. sq., 24 ins. in the ground,
for standard $\frac{1}{4}$ sec. err,
markedS.C. $\frac{1}{4}$ S. on N. face; from which
A mesquite, 10 ins. diam; bears
N. 59° E. 50 lks. dist., marked
S.C. $\frac{1}{4}$ S.B.T.A mesquite, 8 ins. diam; bears
S. 54° E. 38 lks. dist. marked
S.C. $\frac{1}{4}$ S.B.T.(no trees within limits
on the N.W. of err.)

43.00

Bank and edge of timber,

Through R. 23 W. - continued.

Chains.

bears $N. 55^{\circ} E.$, and $S. 75^{\circ} W.$,
descend, 4 ft. and enter cultivated
depression bearing $N. 55^{\circ} E.$
and $S. 75^{\circ} W.$

66.50

Leave cultivated land;
extends $N. 67^{\circ} E.$ about 40 chs;
and $S. 67^{\circ} W.$ about 8 chs;
ascend 4 ft. and enter dense
arrow-wood, bearing $N. 67^{\circ} E.$
and $S. 67^{\circ} W.$

77.72

Wire fence, bears $N. 71^{\circ} E.$ and
 $S. 71^{\circ} W.$

Difference between meas-
urement of 80.00 chs. by
two sets of chain men, is 4 lks.
position of middle point
By 1st set, 80.02 chs.
By 2nd set, 79.98 chs; the
mean of which is

Gila and Salt River Base

chains.

80.00

N.O. 44 ft. from the tangent,
Set a mesquite post; 3 ft. long,
5 ins. sq., with marked stone,
24 ins. in the ground, for
standard corr. of sec 31 and 32
marked

S.C., T. 1 N., R. 23 W. on N.

S. 32 on E., and

S. 31 on W., faces; with 5
grooves on E. and 1 groove
on W. faces; dug pits 24 x 18 x 12
ins., crossing on each line,
E., and W., 3 ft., and N. of
post 7 ft. dist.; and raised
a mound of earth, 4 ft. base,
2 ft. high N. of corr.

Sand, level.

Soil gravelly and loam;
2nd and 1st rate.

Through R. 23 W. - continued

chains.

Timber mesquite and arrow-wood.

Dense undergrowth 28.00 chs.

S. $89^{\circ}59'$ W. on tangent;

S. of sec 31

Over level land,

Through arrow-wood and undergrowth.

10.00

A corral bears S. 3.25 chs. dist.

12.00

Enter mesquite timber, bears N. E. and S. W.

Difference between measurements of 40.00 chs. by two sets of chain men is 6 lks. position of middle point -
By 1st set, 40.03 chs.

Gila and Salt River Base

Chevins.

By 2nd set, 39.97 chs; the
mean of which is

40.00.

N. 0.99 ft. from the tangents;
Set a mesquite post, 3 ft. long,
4 ins. sq.; 24 ins. in the ground,
for standard $\frac{1}{4}$ sec. cor, markedS. C. $\frac{1}{4}$ S. on N. face; from which
A mesquite, 16 ins. diam.; bears
N. 14° E, 204 lks. dist.; marked
S. C. $\frac{1}{4}$ S. B.T.A lone cotton-wood, 14 ins. diam.;
bears N. 3° W, 29 lks. dist.; marked
S. C. $\frac{1}{4}$ S. B.T.

51.00

Enter cottonwood, willow, tamar,
and arrow-wood mired,
bears N. 30° E. and S. 30° W. on
land subject to overflow
1 to 3 ft. deep

76.00

Leave cottonwood and willow

Through R. 23 W., continued.

Chains.

thence turned and arrow-
wood, N. W. and S.; on land
not subject to overflow
Difference between meas-
urement of 80.00 chs. by
two sets of chainmen, is 8 lks.;
position of middle point
By 1st set, 79.96 chs.

By 2nd set, 80.04 chs. the
mean of which is

80.00 N. 1.75 ft. from the tangent;
Set a turned post, 3 ft. long,
5 ins. sq., 24 ins. in the ground
for standard cor. of Tps.

1 N., R. 23 and 24 W., marked
T. 1 N. on N.

R. 23 W., S. 31, on E.

R. 24 W., S. 36, on W. face;

with 6 grooves on N., E., and W.

Gila and Salt River Basins, through R. 23 W.

chains.

faces; from which

A turne \odot 4 ins. diam., bears
N. 30° E, 52 lks. dist., marked
T. 1 N., R. 23 W., S. 31, B. T. ✓

A turne \odot , 5 ins. diam., bears
N. 39° W, 88 lks. dist., marked
T. 1 N., R. 24 W., S. 36, B. T. ✓

Sand, level.

Soil, loam, 1st rate.

Timber, mesquite, turne \odot ,
cottonwood, willow and arrow-
wood.

Sense underground 80.00 chs.

S. $89^{\circ} 59'$ W. on the tangent
S. of sec. 36.

Through turne timber.

3.30

Dry slough 60 lks. wide,

Gila and Salt River Base Through R. 24 W.

Chains.

4 ft. deep, course N. and S.;
leave turns and enter young
cottonwood, and willows
bear N. and S.; thence over
land subject to overflow.
1 to 3 ft. deep.

Difference between meas-
urements of 4000 chs.; by
two sets of chainmen, is 4 lks
position of middle point;

By 1st set, 39.98 chs.

By 2nd set, 40.02 chs. the

mean of which is

40.00

N. 2. 74 ft. from the tangent
Set a mesquite post; 3 ft. long,
4 ins. sq.; 24 ins. in the ground,
for standard $\frac{1}{4}$ Sec. cor. R.
marked

S. C. $\frac{1}{4}$ S. on N. face; from which

Gila and Salt River Base

Chains.

A cotton wood 8 ins. diam., bears
N. 65° E., 83 lks. dist., marked
S. C. 1/4 S., B. T.

A cotton wood, 5 ins. diam., bears
N. 67° W., 45 lks. dist., marked
S. C. 1/4 S., B. T.

52.00

Dry slough, 200 chs. wide,
4 ft. deep, course N. and S.
Difference between meas-
urement, of 67.50 chs., by
two sets of chainmen, is 8 lks.;
positions of middle point
By 1st set, 67.46 chs.

By 2nd set, 67.54 chs. The
mean of which is

67.50

To left bank of Colorado
River. Bank 4 ft. high.

N. 358 ft. from the tangent

Set a mesquite post, 3 ft. long

Through R. 24 W. - continued

chains.

4 ins. sq., with marked stone, ✓
 24 ins. in the ground, for
 meander cor. of S. bdy.
 of sec. 36, marked
 S.C., T. 1 N., on N.

W.C. on W. and

R. 24 W., S. 36 on E. faces;

Dug a pit, 36 x 36 x 12 ins.,

8 ft. E. of post; and raised

a mound of earth, 4 ft. base,

2 ft. high, E. of cor.

— In dense brush, no trees
 within limits suitable
 for bearing.

Land level, mostly subject
 to overflow, 1 to 3 ft. deep.

Soil, loam and sandy;

1st and 2nd rate.

Timber, willows, cottonwood,

Gila and Salt River Base Through R. 24

turno and arrow-wood brush.
Sense undergrowth 67.50 obs.
march. 25. 1902.

General Description

This line runs west across
mesa about four miles;
thence in valley of the
Colorado River; the soil
on mesa is gravelly;
2nd rate; and in the valley
it is loam, 1st rate. The
lands north and S. of the
line are of same character
and should be subdivided

John A Barry,
U.S. Deputy Surveyor

Office of U.S. Surveyor General.

Phoenix, Arizona.

Nov. 3-1903

The foregoing field notes of the survey
of the Gila and Salt River Base
Line, through Rs. 23 + 24 W.
Gila and Salt River Base and Meridian, Ari-
zona, executed by John A. Barry
U. S. Deputy Surveyor, under Contract No. 84
dated July 13-1901, having been
critically examined, the necessary corrections
and explanations made, the said field
notes and surveys they describe are hereby
approved.

U. S. Surveyor General
for the District of Arizona.

List of Names.

BOOK 1677

39

A list of the names of the individuals employed

John A. Barry

Deputy Surveyor, to assist in running, measuring
marking the lines and corners described in the forego-
ing field Notes of the survey of the

Gila and Salt River Base
through Ranges Nos.
23 and 24 West

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, showing the respective capacities in which
acted.

C. Hamilton Chainman.

Alfonzo Lopez Chainman.

J. E. Snow Chainman.

S. T. Todd Chainman.

A. W. Frankenberg Axeman.

Axeman.

Alturo Lopez Flagman.

40
BOOK

1677

Final Oath of Assistants.

We hereby certify that we assisted
John A. Barry U. S. Deputy Surveyor, in
surveying all those parts or portions of the
Gila and Salt River Base,
through Ranges Nos. 23 and
24 west

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, as are represented in the foregoing field
notes as having been surveyed by him and under his direc-
tion; and that said Survey has been in all respects, to the
best of our knowledge and belief, well and faithfully survey-
ed, and the corner monuments established according to the
instructions furnished by the United States Surveyor Gen-
eral for Arizona.

Hamilton Chairman.

Alfonso Lopez Chairman.

J. O. Snow Chairman.

S. F. Todd Chairman.

..... Axeman

AW Fran Kenber Axeman

Arturo Lopez Flagman

Sworn and subscribed before me, this *26th*
day of *April* 190*2*

L W Bishop

Commissioner Equine

Notary Public

[SIXT] *March 20 1904*

Final Oath of U. S. Deputy Surveyor: 41

I, *John A. Barry* BOOK 1677
U. S. Deputy Surveyor, do solemnly swear that, in pursu-
ance of a contract received from *Geo. Christ*
United States Surveyor General for Arizona, bearing date
of the *13th* day of *July* 1901,
I have well, faithfully, and truly, in my own proper person,
and in strict conformity with the instructions furnished by
the United States Surveyor General for Arizona, the Man-
ual of Surveying Instructions, and the laws of the United
States, surveyed all those parts or portions of the

*Gila and Salt River Base,
through Ranges Nos. 23 and
24 west*

of the Gila and Salt River Base and Meridian, in the Ter-
ritory of Arizona, as are represented in the foregoing Field
Notes as having been surveyed by me and under my direc-
tion; and I do further solemnly swear that all the corners of
said surveys have been established and perpetuated in strict
accordance with the Manual of printed instructions, the
special instructions of the United States Surveyor-General
for Arizona, and in the specific manner described in the
field notes, and that the foregoing are the true Field Notes
of such survey; and should any fraud be detected I will

42

suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

John A. Barry

U. S. Deputy Surveyor.

Sworn to and subscribed before me this... 28th

day of May 1902

W. E. Farrant

County Clerk of Ventura County,
State of California, and ex officio
Clerk of the Superior Court
therein.

BOOK 1677

connections authorized
by Deputy's letter of Feb 26-
1903. + Feb 29/04