

BOOK "A"

WEST BOK. T. 3. S., R. 23. W.

1.

1625

1625

BOOK 1625

4-671

FIELD NOTES  
GENERAL LAND OFFICE.

2.

102

# Preliminary Oaths of Assistants.

We, *C. Hamilton*  
 and *Alfonzo Lopez*  
 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 *N. bdy of T. 3 S. R. 23 N.*  
*The boundaries of T. 2 S. R. 23 N.*  
*The S. E. W. bdy of T. 1 S. R. 23 N.*  
*The S. boundary of T. 1 S. R. 24 N.*  
*The E. N. E. W. bdy of T. 1 N. R. 23 N.*  
 of the Gila and Salt River Base and Meridian, in the Ter-  
 ritory of Arizona.

*C. Hamilton* ..... Chainman.

*Alfonzo Lopez* ..... Chainman.

..... Chainman.

..... Chainman.

BOOK 1625

Sworn and subscribed before me, this *20th* .....

day of *February* ..... 1902

*L. W. Bishop*

Notary Public.

*Common Express*

[SEAL.]

*March 20 1904*

We, Alturo Lopez and A. W. Frankenberg  
BOOK 1625

do solemnly swear that we will well and truly perform the  
duties of flagman and axeman respectively  
BOOK 1625

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

- N. Bdy of T. 3 R. 23 N.
- The boundaries of T. 2 R. 23 N.
- The E. & N. bdy of T. 1 R. 23 N.
- The S. Boundary of T. 1 R. 24 N.
- The E. N. & N. bdy of T. 1 R. 23 N.

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

Alturo Lopez Flagman.  
A. W. Frankenberg Axeman.  
 ..... Axeman.  
 ..... Axeman.

Subscribed and sworn to before me this 20th

day of February 1902

R. W. Bishop  
Notary Public.

Commission Expires  
March 20 1904

1A B

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R

34,

1902.

15, 1902.

1625-

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BOOK 1625

Field Notes  
of the Survey of the  
West Boundary  
of  
TOWNSHIP No. 3 South,  
RANGE No. 23 West  
of the  
GILA and SALT RIVER  
BASE and 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 12, 1902.

Survey Completed March 15, 1902.

## NAMES and DUTIES of ASSISTANTS

C. Hamilton	Chairman
Alfonzo Lopez	Chairman
A. W. Frankenberg	Chairman
Arturo Lopez	Flagman

BOOK 1625

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	1	6	28	5
		+		+
	12	7	25	8
		+		+
T. J. S. R. 23 W.	13	18	22	17
		offset		
		17		
	24	13	19	20
W. Bdy. T. J. S. R. 23 W.		+		+
	25	9	30	29
		+		+
	36	7	31	32
		+		+
	3		6	

## West boundary of T3.S.R23W.

Chains Survey commenced March 12, 1902, and executed with a Young & Sons Transit, No. 5787, the horizontal limb being provided with two opposite Vernier reading to 20" of arc.

The instrument was examined, tested on the true Meridian at Tucson Arizona, found correct, and was approved by the Surveyor general for Arizona, February 17, 1902.

I begin at the corner of townships 3 and 4 South, ranges 23 and 24 west,

West boundary of T.S.P. 23. W.

which is a Volcanic stone  
 $8 \times 7 \times 6$  ins. above ground,  
 firmly set, and marked  
 and Witnessed as described  
 by the Surveyor general.

At said corner in  
 latitude  $33^{\circ} 7' N$ , longitude  
 $114^{\circ} 41' W$ , at  $7^h 48^m P. M.$   
 by my watch, which is  
 10 minutes slow of Local  
 mean time, I observe  
 Polaris at western elongation  
 in accordance with instructions  
 in the Manual, and  
 mark a point on the  
 line thus determined on  
 a plug driven in the  
 ground 4.20 chains north  
 of my station.

West boundary of T3.S.P.23.W.

March 12, 1902.

March 13<sup>th</sup> 1902 at 7 a.m.

I lay off the Azimuth  
of Polaris,  $1^{\circ}27'$  to the east  
and mark the TRUE  
MERIDIAN thus determined  
by cutting 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,  $14^{\circ}00'$  east.

From the township



## West boundary of T38R23.W.

Chavis cor. I run

North, bet. secs. 31 and 36

Ascend, on gentle S. slope

4.20 Top of ridge, 50 ft. above sec.  
cor, bears E. and W.;

8.50 Descend gradually, 60 feet.

22.00 Ravine 50 lks. wide 10 ft.  
deep, course W.; thence over  
mesa.30.60 Begin descent from mesa,  
bears N. 70° W., and S. 70° E.34.00 Bottom of ravine, 50 ft.  
below mesa, course N. 70° W.;  
thence over hills, ascend.40.00 Set a malpais stone,  
22 x 10 x 8 ins, 17 ins. in the  
ground, for sec. cor.,  
marked 4 on W. face;  
and raised a mound of stone,

## West boundary of T. 3 S., R. 23 W.

- Chains 3 ft. base; 2 ft. high,  
W. of cor. Pits impracticable
- 41.00 Top of hill, 80 ft. above  
ravine; descend 80 ft. to
- 47.00 Bottom of ravine, course  
N. 60° W.; ascend 50 ft. to
- 56.40 Top of table land, bears  
N. W. and S. E.
- 74.00 Ravine 60 lks. wide 20 ft.  
deep, course W.; ascend.
- 77.40 Top of hill, 100 ft. above  
ravine; descend 40 ft. to
- 80.00 Set a malpais stone,  
28 x 8 x 6 ins., 2/3 in. in  
the ground, for cor. of secs.  
25, 30, 31, and 36, marked  
with 5 notches on N.  
and 1 notch on S. edges;  
and raised a mound of

## West boundary of T. 3. S.

Chains

stone, 5 ft. base, 3 ft.

high, W. of cor. pits

impracticable

Land, hilly and mesa.

Soil, Gravelly, and rocky;

2nd and 3rd rate.

Timber, a few scattering  
palo verde and palo fierro  
trees along the ravines.

North bet. secs. 25 and 30.

Descending.

2.00

Foot of descent; ravine

10 lks. wide; 30 ft. below sec.

cor. course S. W.; ascend.

9.60

Top of ridge 100 ft. above

ravine, bears E. and W.;

descend; 100 ft. To

R. 23 W. continued

Chains

- 24.75 Bottom of ravine, 60 lks. wide, course N. 25° W.; ascend.
- 29.00 Top of ascent, 40 ft. above ravine; course N. 25° W.; thence on flat.
- 31.50 Ravine 30 lks. wide, 10 ft. deep, <sup>course W.;</sup> ascend 80 ft. to
- +39.55 Top of hill, 200 ft. above valley of the Colorado River, which is visible toward N. 40° W., about 50 chs. dist.
- 40.00 Set a malpais stone, 22 x 10 x 4 ins., 17 ins. on the ground, for 1/4 sec. cor., marked 1/4 on N. face, and raised a mound of stone, 3 ft. base, 2 ft. high,

## West boundary of T. 35.

- |        |  |
|--------|--|
| Chains | W. of cor. Pits impracticable.   |
|        | Descend 150 ft. to   |
| 44.00  | Bottom of ravine, course W.; ascend 200 ft. to   |
| 53.30  | Top of high spur, bears E. and W.; descend 200 ft. to  |
| 60.20  | Bottom of ravine, course S. W.; ascend.  |
| 65.15  | Top of hill, 250 ft. above ravine; from which "Barrier Rock," in center of the Colorado River, bears, N. 5-1/2 W.; descend 250 ft. |
| 71.00  | Bottom of ravine, course W.; ascend 300 ft. steep rocky mountain.  |
| 79.00  | Point on high rocky spur, trending S. E.;  |

## R. 23. W. Continued

Chains

Set a malpais stone,  
 18x18x5 ins, 12 ins. in the  
 ground, for witness cor. to cor.  
 of secs. 19, 24, 25, and 30,  
 marked N.C. with 4  
 notches on N. and 2  
 notches on S. faces, and  
 raised a mound of stone,  
 4 ft. base, 3 ft. high, W.  
 of cor. Pits impracticable.

80.00

Positions for cor. to secs.  
 19, 24, 25 and 30, on E. face  
 of precipitous Mountain,  
 300 ft, above ravine last  
 crossed; not a suitable  
 place for a monument.  
 Land, Mountainous.  
 Soil, rocky; 4th rate.  
 No timber.

West boundary of T. 3. S.,  
 chains Mountainous land, 84 Chs.

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North bet. secs. 19 and 24.

Ascending S.E. face of  
 mountain. From corpoint

10.40 Top of ridge (on peak), bears  
 E. and S. W., from which  
 "Barrier Rock" in center  
 of Colorado River, bears  
 S.  $77\frac{3}{4}$  W.

This ridge, is 50 ft. above  
 sec. cor.; overlooking, and  
 400 ft. above the valley  
 of the Colorado River on  
 the N.; descend.

36.00 Base of mountains bearing  
 N.E. and S.W. thence  
 in valley of the Colorado

P. 23 W. continued

Chains River, through timber  
and undergrowth;

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

40.00 Set a palo fierro post,  
3 ft. long, 4 ins. sq.,  
24 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  
 $\frac{1}{4}$  S. 24, on W. face; 19 on  
E. face; (mound of stone  
3 ft. base, 2 ft. high, W.  
-of cor.) from which  
A palo verde, 20 ins.  
diam., bears S.  $8^{\circ}$  E.,  
223 lbs. dist., marked  
 $\frac{1}{4}$  S. B. T.

A palo fierro 8 ins. diam.,  
bears S.  $63^{\circ}$  W., 40 lbs. dist.,



## West boundary of T. 3 S.

Chains marked

1/4 S. B. T.

Situated at left edge  
of wash course N. 50° W.

41.50 Right edge of the wash.

62.00 Bank and edge of timber,  
bears N. 20° E. and S. 25° W.;then fall 6 ft. leave  
timber, and pass over  
sandy river bottoms,80.00 To left bank of  
Colorado River, which  
is a turbid Colorado  
stream now about 400  
ft. wide, course S. 20° W.;This point for cor. of sec.  
13, 18, 19, and 24, falls  
where the prevailing  
conditions would insure

R. 23 W. continued

Chains its destruction by natural causes, I therefore set here a temp. stake, and proceed to establish in a secure position a witness cor. to same.

Land, Mountainous and level.  
Soil, stony, 4th rate, and loam  
1st rate.

Timber, Mesquite, palo verde, palo fierro and willow.  
Mountainous and heavily timbered land, 62,000chs.

March 13, 1902.

NOTE: From the cor. to secs. 13, 18, 19, and 24, it is not practicable to run north, on range line, because of the intervening

West boundary of T. 35.,  
 chains of the Colorado River;  
 therefore it is necessary  
 to offset, east.

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East on true line bet.  
 secs. 18 and 19.

- Over sandy bottom land.
6. 50. Leave bottom land, bears  
 N. 15° E. and S. 20° W.; thence  
 enter timber, and begin ascent.
7. 20 Top of ascent 20 ft. above  
 point for sec. cor.; and  
 as the cor. to secs. 13, 18, 19,  
 and 24, falls where the  
 natural rise of waters of  
 Colorado River (in June),  
 would insure its  
 destruction, I establish

R 23 W, continued

chains here, being a secure position, a witness cor. viz:—  
 Set a mesquite post, 3 ft. long, 4 ins. sq., 24 ins. in the ground, for witness cor. to cor. of sec. 13, 18, 19, and 24, marked.

W. C. T. 3. S., S. 18, on N. E.,

R. 23 W., S. 19, on S. E.,

S. 24 on S. W., and

R. 24 W., S. 13, on N. W.

faces, with 3 notches on N. and S. edges, from which a willow, 8 ins. diam., bears S. 88° W., 172 lbs. dist., marked.

✓ T. 3. S., R. <sup>23</sup> ~~24~~ W., S. 19, W. C. B. T.

A mesquite 6 ins. diam., bears N. 27° W., 184 lbs.

West boundary of T. 3 S.  
 chains dist., marked  
 ✓ T. 3 S., R ~~24~~<sup>23</sup> W., S. 18, W.C.B.T.

No other trees within  
 limits.

Dig pits  $18 \times 18 \times 12$  ins.,  
 in each sec.  $5\frac{1}{2}$  ft. dist.,  
 and raise a mound of  
 earth, 4 ft. base, 2 ft.  
 high, W. of cor.

Thence in valley,  
 9.20 Road from Yuma to  
 Chrenburg, bear N.  $15^\circ$  E.  
 and S.  $15^\circ$  W.

15.00 To base of hills, bearing  
 N.  $30^\circ$  E. and S.  $30^\circ$  W.  
 Leave valley and timber  
 and ascend rocky  
 mountains.

38.81 Set a malpais stone,

## P 23 W continued

chains 16 x 10 x 5 ins. 11 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on N. face; and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Pits impracticable; about 300 ft. above valley.

- 39.00 Top of hill, descend.
- 44.00 Ravine 150 yds. wide, 4 ft. deep, course N.W., ascend.
- 54.00 Top of spur, about 460 ft. above valley, bears E. and W., descends.
- 63.00 Head of Ravine, course N.W., ascend.
- 74.50 Top of ridge, 500 ft. above valley, bearing N.E. and S.W.; descend.

21

chains

West boundary of T. 3 S.,

78.81 ~~Set~~ a granite stone, 18x8x6 ins.,  
 12 ins. in the ground, for  
 cor. of secs. 17, 18, 19, and 20,  
 marked with 3 notches on  
 S., and 5 notches on E. edges;  
 and raised a mound of stone  
 4 ft. base, 2 ft. high, W. of cor.  
 Pits impracticable.

This cor. stands on very steep  
 E. face of mountain.

About 350 ft. above the  
 valley of the Colorado River.  
 Land, Valley and Mountains.

Soil, 1st and 4th rate.

Timber, mesquite and willow  
 in valley.

Mountainous and heavily  
 timbered, 72.31 chs.

R 23 W. continued

chains NOTE; It is not practicable to observe Polaris at the cor. of secs. 17, 18, 19, and 20, because of its position with reference to mountain ridge;

-----  
 N.  $0^{\circ}3'$  W. bet. secs. 17 and 18.  
 and on offset of the west  
 bdy. of T. 3 S., R. 23 W.,

Ascending rugged S. E.  
 face of mountain;

4.20 Top of ridge 400 ft. above  
 valley, bears N. E. and S. W.;  
 descend.

11.00 Gulch ~~20~~ ft. wide, 4 ft.  
 deep, course W.; ascend

16.75 Top of ridge, 400 ft. above  
 valley, bears E. and W.;



## West boundary of T. 3 S.

chains descend.

- 27.00 Foot of descent, 250 ft.  
below top of ridge, bear  
W; ascend.
- 35.90 Top of rocky hill, 325 ft.  
above valley; descend.
- 40.00 Set a granite stone, 8 x 8 x 6 ins.,  
12 ins. in the ground, for  
1/4 sec. cor. marked 1/4 on W.  
face; and raised a mound  
of stone, 4 ft. base, 2 ft. high,  
W. of cor. Pits impracticable.
- 48.00 Gulch 20 lbs. wide, 4 ft.  
deep, course W; ascend.
- 57.50 Top of ~~upper~~ course E. and W.  
descend.
- 65.00 Gulch 15 lbs. wide, 4 ft.  
deep, course W; ascend.
- 74.84 Top of hill; descend.

## R 23. W. continued

chains

77.50 Gulch 20 lbs. wide, 6 ft.  
deep; course N. 70° W.;  
ascend.

80.00 Set a malpais stone 20x6x6 in.,  
15 in. in the ground, for  
cor. of secs. 7, 8, 17, and 18.  
Marked with 4 notches  
on S, and 5 notches on  
E. edges; and raise a  
mound of stones, 4 ft. base,  
2 ft. high, W. of cor. Pits  
impracticable.

This cor. stands 200 ft.  
above valley.

Land, mountainous,  
soil, rocky; 4 th rate.  
No timber.

Mountainous, 80 chs.

March 14, 1902

## West boundary of T. 3 S.,

chains N.  $0^{\circ}3'$  W. bet. secs. 7 and 8,  
and on offset of the West  
bdy. of T. 3 S., R. 23 W.

Ascending.

- 2.00 Top of hill, thence along  
W. slope.
- 6.00 Top of hill, 250 ft. above  
valley, descend.
- 15.60 Gulch 20 lks. wide, course  
W., ascend.
- 22.90 Top of hill, 250 ft. above  
valley, descend.
- 30.00 Ascend.
- 34.20 Top of low hill; descend.
- 40.00 Set a malpais stone 16 x  
12 x 6 ins., 11 ins in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on  
W. face; from which  
a palo verde, 18 ins.

## R 23 W. continued

- chains diam., bears N. 11° E., 267 lks.  
 dist., marked 1/4 S. 8, B. T.;  
 A palo verde, 8 in. diam.,  
 bears N. 53° W., 175 lks. dist.,  
 marked 1/4 S. 7, B. T.  
 This cor. stand about 80 ft.  
 above valley.
- 43.00 Ravine 2.00 chs. wide, 30 ft.  
 deep, course W.; thence  
 hilly.
- 45.50 Top of hill.
- 55.50 Top of hill, from which  
 an abandoned adobe  
 house on point of mesa at  
 place called "Clipp" bears  
 N. 55 1/2° W.
- 62.00 Leave hills, bearing N. E.  
 and S. 20° W., and go on to mesa
- 65.00 Same Adobe house, bears

## West boundary of T. 3 S.

chains N.  $68^{\circ} \frac{1}{2}$  W.72.00 Gulch 20 lks wide; heads  
E. 2.00 chs, course W.77.00 Edge of mesa, bears S.  $80^{\circ}$  E.  
and N.  $80^{\circ}$  W; descend.79.00 Foot of descent, enter wash  
valley and timber, bearing  
S.  $80^{\circ}$  E. and N.  $80^{\circ}$  W.80.00 Set a malpais stone, 18 x 8  
x 6 ins., 12 ins. in the ground,  
for cor. of secs. 5, 6, 7, and 8;  
marked with 5 notches on  
the S. and E. edges; from which  
A pale verde, 10 ins. diam.,  
bears N.  $65^{\circ}$  E., 234 lks. dist.,  
marked  
~~marked~~ T. 3 S., Q. 23 W., S. 5, B. T.A pale verde, 10 ins. diam.,  
bears S.  $34^{\circ}$  E., 139 lks. dist.,  
marked  
~~marked~~ T. 3 S., R. 23 W., S. 8, B. T.

R 23 W continued.

Chains A palo fierro, 14 ins. diam,  
 bears S. 76° W., 158 lks. dist.,  
 marked  
 marked T. 3 S., R. 23 W., S. 7, B. T.

A palo verde, 8 ins. diam,  
 bears N. 28° W., 156 lks. dist.,  
 marked  
 marked T. 3 S., R. 23 W., S. 6, B. T.

This cor. is about 40 ft. above  
 river bottom lands.

Land, Mountainous and mesa.  
 Soil, rocky; 4th and 2nd rate.  
 Timber, in ravines of Palo  
 Verde and palo fierro.

Mountainous land, 62 chs.

N. 0° 3' W.; bet. secs. 5 and 6,  
 and on offset of W. ldy. of  
 T. 3 S., R. 23 W.,

In wash valley.

chains

## West boundary of T. J. S.

- 1650 Leave the valley and  
timber, course S. 60° E. and  
N. 70° W.  
Thence on rolling lands.
- 26.00 Enter wash valley, and  
scattering timber, course  
S. 65° E. and N. 58° W.
- 28.00 Mouth of ravine 1.00 chs.  
wide, bears S. E. 2.00 chs. dist.  
comes from S. 65° E.;
- 40.00 Set a malpais stone, 16 x 8 x 6  
ins., 11 ins. in the ground, for  
1/4 Sec. cor., marked 1/4 on W.  
face; from which  
A palo fierro, 14 ins. in  
diam., bears S. 55° E., 222 lks.  
dist., marked  
1/4 S. E., B.T.  
A palo verde, 12 ins. in

## R 23. W. continued.

- chains diam., bears N. 31° W., 190  
 lbs. dist., marked  
 1/4 S. 6, B. T.
- 44.00 Leave (at point) the valley  
 bearing N. 40° E. and N. 72° W.,  
 thence over undulating mesa.
- 49.00 Top of spur, trending W.
- 56.00 Prairie 40 ft. wide, 20 ft. deep, course W.
- 74.20 Edge of mesa, bears E. and W.;  
 begin steep descent.
- 77.80 Foot of descent, 60 ft. below mesa;  
 enter wash valley and palo  
 verde and palo fiero timber,  
 bears E. and W.
- 80.00 Set a granite stone, 24 x 10 x 8  
 ins., 18 ins. in the ground,  
 for cor. of secs. 5, 6, 31, and 32,  
 in line bet. Tps. 2 and 3 S., R.  
 23. W., marked with 5 notches



West boundary T. 2. S.,  
 chasms on E, and 1 notch on W. edges;  
 (mound of stone, 4 ft base, 2 ft.  
 high, W. of cor.) from which  
 A palo fierro, 22 ins. in  
 diam., bears N. 81° E. 310 lks.  
 dist., marked

T. 2. S., R. 23 W., S. 32, B. T.

A palo verde, 16 ins. in diam.,  
 bears S. 34° E. 230 lks. dist.,  
 marked

T. 3 S., R. 23 W., S. 5, B. T.

A palo verde, 14 ins. in  
 diam., bears S. 27° W., 132 lks.  
 dist., marked

T. 3. S., R. 23 W., S. 6, B. T.

A palo fierro, 14 ins. in  
 diam., bears N. 9° W.,  
 208 lks. dist., marked

T. 2 S., R. 23 W., S. 31, B. T.

R 23W. concluded.

chains Sand, mesa and level.  
 Soil, stony; 3rd rate.  
 Timber, palo verde and  
 palo fiero.  
 Heavily timbered land  
 18,70 chs.

March 15, 1908.

9

### GENERAL DESCRIPTION

Sands over which this line  
 has been run are mainly  
 mountainous or hilly.

The fract. T. 3 S., R. 24 W.  
 embraces some two or three  
 thousand acres; half of  
 which is river bottom  
 land; it should be  
 subdivided; also that  
 part of T. 3. S., R. 23 W.

adjacent to Colorado  
River, should be surveyed

John A Barry  
U.S. Deputy Surveyor

Final oaths with Book 7

Office of U. S. Surveyor General

Phoenix, Arizona.

Nov. 3 - 1903

The foregoing field notes of the survey  
of the West boundary of Sp. 3 D. R. 23  
West

Gila and Salt River Base and Meridian, Ari-  
zona, executed by Jno. A. Barry

U. S. Deputy Surveyor, under Contract No. 84

dated July 13 - 1901, having been critic-  
ically examined, the necessary corrections

and explanations made, the said field notes

and surveys they describe are hereby ap-

proved.

Frank D. Lugoff

U. S. Surveyor General

for the District of Arizona.