

1793

BOOK 1793

# Field Notes

1793

OF THE SURVEY OF

*The Exterior Boundaries of Camp Lowell Military Reserve, Pima County.*

*and Salt River Base and Meridian*

BOOK 1793

## ARIZONA.

*Theo. W. White, D. S.*

*under contract dated Dec. 6, 1875.*

*survey commenced Jan. 1, 1876.*

*survey completed Jan. 6, 1876.*

*W. W. C.*

1793

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See Resurvey

Portions of South & East  
Boundaries of Camp  
Military Rise.

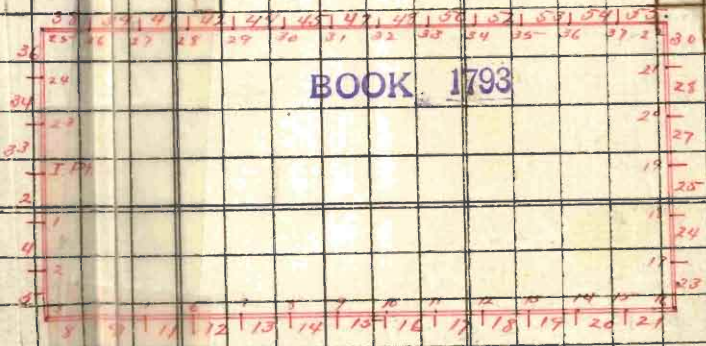
S. 138 S. R. 15 E.

S. 138 S. R. 16 E.

S. 138 S. R. 14 E.

BOOK 1793

BOOK 1793



S. 142 S. R. 15 E.

S. 142 S. R. 16 E.

S. 142 S. R. 17 E.

S. 152 S. R. 15 E.

S. 152 S. R. 16 E.

S. 152 S. R. 17 E.

## Preliminary Oaths of Assistants.

We, *Urban Bessard*  
and *R. A. Vasquez*  
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.

*Urban Bessard*  
*R. A. Vasquez*

Sworn to and subscribed before me, this  
day of *January*, 1876

*John H. Harris*  
Asst. Secretary  
Arizona

of Camp Lowell Military  
 Station, Pima County, Arizona.

Survey commenced January 1, 1876.

Beginning at the Flag Staff  
 of Camp Lowell, - which bears  
 $N. 5^{\circ} 20' E.$  13.92 chs. dist from  
 the  $14^{\text{th}}$  sec. cor. between secs. 35  
 and 36, of Township 13 S. of Range  
 $14 E.$ , of the Gila and Salt River  
 Meridian, Arizona. - Drive  
 West on true line,

var.  $13^{\circ} 52'$  East.

As per Burt's improved Solar Compass.  
 And at two miles, intersect the  
 initial point of this survey,  
 on the west boundary of the  
 reservation. At this point I set  
 a post 5 ft long, 6 inches square,  
 2 ft in the ground, and build  
 mound of earth around it 2  
 ft high, taken from two pits

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

Continued.

Set one N. and one S. for initial  
cor. of survey on W. boundary, from which  
Armesquite tree, 12 in dia. hrs.  $S 62^{\circ} E$ . 130 lks dist  
do. 6 " " "  $N 89^{\circ} W$ . 95 " "  
Mark post and trees, U. S. M. R.  
D. Pt

The  $\frac{1}{4}$  section corner between  
secs. 33 and 34, of township  
13 S. R. 14 E. bears  $S 44^{\circ} W$ . 14.12 ch.  
dist

From the Initial corner on W. bound-  
ary of the Reservation, as above  
established. Run  
South on W. boundary of the reservation  
var.  $14^{\circ}$  East.

As per Quirt's solar Compass

24.70 Road bears N. E.

40.00 Set a post, 4 ft long. 3 in. sq. 18 inches

Survey of Camp Lowell Military  
Reservation, Pima County Arizona

Continued -  
No. in the ground and build mound  
of Earth 2 ft high, with 2 pits  
on line N. and S, and mark  
post U. S. M. R.  $\frac{1}{2}$ , for  $\frac{1}{2}$   
mile corner. No trees near.

54.09 Intersect S. boundary of T. 13  
S. Range 14 E, 99 lvs E. of cor.  
to sec 33 & 34. Set a post, 4 ft  
long, 4 in. sqd, 1 ft in the ground,  
and build mound of earth  
2 ft high with 3 pits, on lines  
N. S. and W. and mark on N.  
side of Post T. 13 S. R. 14 E. 34,  
and on S. side. T. 14 S. R. 14 E.  
3. C. C. No trees near.

63.50 Road base N. E.

80.00 Set a post, 4 ft long, 4 in. sqd,  $\frac{1}{2}$   
ft in the ground, and build  
mound of earth 2 ft high,  
with 2 pits on line N. & S. for

Survey of Camp Lowell Military Reservation, Pima County Arizona

Continued

No. mile corner, marking post U. S. M. R. 1. from which  
 A mesquite 8 in. dia. br. N.  $21\frac{1}{2}^{\circ}$  W. 216 lbs. dist  
 do. 8. " " N.  $39\frac{1}{2}^{\circ}$  E. 87 " "  
 Land undulating and brushy.

South on N. boundary of Reservation  
 var.  $14^{\circ}$  East.

No. 00 Set a post, 4 ft. long, 3 in. sq'd, 1'  $\frac{1}{2}$  ft. in the ground, build mound of earth 2 ft. high, with 2 pits on line N. and S. and mark post U. S. M. R.  $\frac{1}{2}$ , from which  
 A mesquite, 6 in. dia. br. N.  $14\frac{3}{4}^{\circ}$  E. 133 lbs. dist

53.62 Intersect the section line 68 lks. E. of cor. to sec. 3, 4, 9 and 10. of Township 14 S. of range 14 E. Set a post, 4 ft. long, 3 in. sq'd, 1 ft. in the

Survey of Camp Howell Military  
Reservation, Pima County, Arizona

- Continued -
- 78.00 ground, and build mound of earth  
2 ft high, with 3 pits on line, N. S.  
and W. from which  
+ mesquite, 7 in. dia. br. N. 76 1/4 W. 98 lbs. dist.  
do. 4 " " " S. 20 W. 100 " "
- Mark N. side of Post "T. 14 S. R. 14 E. 3' -  
mark S. side of Post "T. 14 S. R. 14 E. 10. C.C."
- 78.60 Old road runs S. E.
- 80.00 Set a post, 4 ft long, 3 in. sq'd, 18 in.  
in the ground and build mound of  
earth 2 ft high, with 2 pits on line,  
N. and S. from which  
+ mesquite, 7 in. dia. br. N. 78 1/4 W. 130 lbs. dist.  
do. 6 " " " N. 53 1/2 E. 99 " "
- Post  
Marked U. S. M. R. II.

Land ascends a little S & E. on last End.

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South on W. boundary of Reservation  
Mar. 14° East



Survey of Camp Lowell Military  
Reservation, Pima County Arizona

hs. Continued

- 32.30 Oldroad cor. S. E.
- 40.00 Set a post, 4 ft long, 3 in. sq'd,  
18 inches in the ground, and  
build mound of earth 2 ft  
high, taken from 2 pits on line,  
N. and S. from which  
A Mesquite 7 in dia. br. South 205 lbs. dist  
Post marked U. S. M. R. 1/2.
- 53.76 Intersect section line 90 lbs E. of cor.  
to sec. 9, 10, 15 and 16, of T. 14 S.  
R. 14 E. Set a post, 4 ft long, 3  
in. sq'd. 1 ft in the ground, and build  
mound of earth 2 ft high with  
3 pits on line N. S. and N. and  
mark N. Side of Post. T. 14 S. R. 14  
E. 10, and S. side T. 14 S. R. 14  
E. 15, C. C. from which  
A Mesquite 7 in dia. br. N. 26 3/4 E. 23 lbs. dist
- 80.00 Set a post, 5 ft long, 5 inches sq'd

Survey of Camp Lowell Military Reservation. Pima County. Arizona.

Continued

Chs. painted white, marked U.S. M. R. S. N. III, 2 ft in the ground and build mound of earth 2 ft high, with 2 pits, one on line N. - the other on line E. for S. N. cor. of the reservation. from which Amesquite, 6 in. dia. brs. S. 55 1/4° N. 17 lns. dist do. 7 " " " N. 14° N. 124 " "

Mark trees U.S. M. R. The 1/4 sec. cor. between secs. 15 and 16. of Sp. 14 S. R. 124 E. of the Gila & Salt River Meridian, Arizona, brs. from the S. N. cor. of the reservation, S. 3° 46' N. 13.974 chs. dist.

Land a little undulating on last end. Scattering mesquite trees.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Chs. From the foregoing S.W. corner of the Reservation, from

EAST on S. boundary of Reservation  
 var.  $14^{\circ}18'$  East

As per Buitt's improved solar compass

40.00 Set a post, 4 ft. long, 3 in. sq'd.  $1\frac{1}{2}$  ft. in the ground, and build mound of earth 2 ft. high, with 2 pits on line N. and E. and mark Post U. S. M. R. 72, from which a Mesquite 6 in. dia. bears N.  $69\frac{1}{4}$  E. 142 lbs. dist

46.60 Old road base N. E.

79.09 Intersect section line 14.52 Chs. N. of  $1\frac{1}{4}$  sec. cor. between Secs 14 and 15, of  $1\frac{1}{4}$  S. R. 14 E. Set a post 4 ft. long, 3 in. sq'd. 1 ft. in the ground and build mound of earth 2 ft. high, with 3 pits on line N. S. and E. and mark N. side of post, T. 14 S. R.

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Continued-

80.00 Set a post, 4 ft long, 3 in. sq'd.  
18 inches in the ground. Build  
mound of earth 2 ft high, with  
2 pits on line N. and E. and mark  
post U.S. M. R. IV. from which

Amesquite, 7 in. dia. br. N. 39 $\frac{1}{2}$ ° E. 155 ls. dist.

do. 5 " " " S. 43° N. 187 " "

Amesquite, 6 in. dia. br. N. 31 $\frac{1}{2}$ ° E. 121 ls. dist.  
do. 8 " " " S. 87 $\frac{1}{4}$ ° E. 219 " "  
land undulating and brushy.

E. S. boundary of Reservation  
var. 14° 18' East.

40.00 Set a post, 4 ft long 3 in. sq'd.  
1 $\frac{1}{2}$  ft in the ground. Build mound  
of earth 2 ft high, with 2 pits  
N. and E. and mark Post  
U.S. M. R. IV. No trees near.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

hs. Continued:

- 79.27 Intersect the section line 14. 70 ch.  
N. of 1/4 sec. cor. between sec. 13  
and 14, of T<sup>p</sup>. 14 S. R. 14 E.  
Set a post, 4 ft long, 3 in sq'd,  
1/2 ft in the ground. Build mound  
of earth 2 ft high, with 3 pits  
on line N. S. and E. and on N.  
side of post mark T. 14 S. R.  
14 E. 14, and on E. side mark  
T. 14 S. R. 14 E. 13. C.C. from which  
A mesquite, 5 in dia. br. S. 67° E. 110 lbs. dist  
do. 6 " " " S. 66 1/4° N. 98 " "
- 80.00 Set a post, 4 ft long, 3 in. sq'd, 1 1/2  
ft in the ground. Build mound  
of earth 1/2 ft high with 2 pits on  
line N. and E. and mark Post  
U. S. M. R. V. from which  
A mesquite 6 in. dia. br. S. 33 1/2° E. 52 lbs. dist  
do. 7 " " " S. 76 3/4° N. 167 " "

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

No. 1. East on S. boundary of Reservation  
var.  $14^{\circ}18'$  East.

42.00 Set a post, 4 ft long, 3 in. sq'd, 18 inches  
in the ground, and build mound  
of earth 2 ft high, with 2 pits, N. and  
E. and mark Post U.S.M.R.  $\frac{1}{2}$ .  
No trees near.

46.30 Road base, N.

79.45 Intersect E. boundary of T. 14 S.

R. 14 E., 14.86 chs. N. of  $\frac{1}{4}$  sec. cor.

on E. boundary of sec. 13. Set a  
post, 4 ft long, 3 in. sq'd, 1 ft in the  
ground, build mound of earth 2  
ft high, with 3 pits, N. S. and E.

and on N. side of post mark, T. 14 S.

R. 14 E. 13, and on E. side mark

T. 14 S. R. 15. E. 18.00 from which  
A mesquite, 8 in. dia. br. N. 78  $\frac{3}{4}$  W. 123 lbs. dit.

80.00 Set a post, 4 ft long, 3 in. sq'd,  $\frac{1}{2}$   
ft in the ground, build mound

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued -  
 35. of Earth 2 ft high, with 2 pits, N. and E. and mark post, U. S. M. R. VI. from which  
 A mesquite 8 in dia. br. N.  $82\frac{1}{2}^{\circ}$  W. 187 ls. dist  
 The  $\frac{1}{4}$  sec. cor. on E. boundary of sec. 13. of Twp. 14 S. R. 14. E of the Gila and Salt River Meridian, br. S.  $2^{\circ} 8'$  W. 14. 87 Chs. dist  
 Land undulating & brushy

East on S. boundary of Reservation  
 var.  $14^{\circ} 8'$  East

- 40.00 Set a post, 4 ft long, 3 in sq'd.  $1\frac{1}{2}$  ft. in the ground. build mound of Earth 2 ft high, with 2 pits on line N. and E. and mark Post U. S. M. R.  $\frac{1}{2}$  from which  
 A Pale Verde, 4 in dia. br. S.  $10^{\circ}$  W. 5 ls. dist
- 62.80 Dry bed of stream, 20 ls. wide, flows N. E.
- 70.00 Dry bed of stream, 25 ls. wide, flows N. W.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Ps. Continued -

80.00 Set a post, 4 ft. long, 3 in. sq'd. 1 1/2 ft. in the ground. build mound of earth 2 ft high with 2 pits on line N. and E. and mark Post U. S. M. R. VII. from which  
 Amesquite, 8 in. dia. box, S. 60 1/4 N. 102 lbs. dist.  
 do. 7 " " " S. 26 3/4 E. 189 " "  
 Hand undulating and bony

East on S. boundary of Reservation var. 14° 18' East

40.00 Set a post, 4 ft. long, 4 in. sq'd. 1 1/2 ft. in the ground. build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post U. S. M. R. 1/2. from which  
 A Pale Verde, 7 in. dia. box, N. 23 3/4 N. 175 lbs. dist

57.00 Road box. N. N.

53.90 Dug bed of stream 40 lbs. wide box N. N.



# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Chs. Continued.

59.00 Telegraph line runs N. W.

60.00 Dyked up stream, 20 hrs wide, hrs. N.

80.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft. in the ground, build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post U. S. M.

R. VIII. from which

A mesquite, 8 in. dia. hrs. S.  $5\frac{1}{2}$  W. 159 hrs. dist.

do. 9. " " S.  $81\frac{1}{4}$  E. 246 " "

Land undulating. Brush.

East on S. boundary of Reservation  
var.  $14^{\circ}18'$  East.

1.50 Road hrs. N.

40.00 Set a post, 4 ft long, 4 in. sq'd.  $1\frac{1}{2}$  ft. in the ground, build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post, U. S. M.

R.  $\frac{1}{2}$ . from which

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Continued—

Rs. N Pale Verde, 9 in dia. bar. S.  $69^{\circ} 14'$  E. 110 bar. dist.  
43.70 Old road bar. N. E.

63.70 Dug bed of stream, 30 bar. wide bar. N. W.

80.00 Set a post, 4 ft. long, 4 in. sq'd.  $1\frac{1}{2}$  ft.  
in the ground. build mound of earth  
2 ft. high, with 2 pits on line N. and E.  
and mark post U. S. M. R. IX.  
from which

N Pale Verde, 3 in dia. bar. N.  $87^{\circ} 12'$  E. 74 bar. dist.

do. 6 " " " N.  $15^{\circ}$  E. 110 " "

Land cut up by gullies and washes.

Very Bronchy

January 1, 1876.

East on S. boundary of Reservation  
var.  $14^{\circ} 18'$  East

40.00 Set a post, 4 ft. long, 4 in. sq'd.  $1\frac{1}{2}$  ft.  
in the ground. build mound of earth  
2 ft. high with 2 pits on line N. and E.  
and mark post U. S. M. R.  $\frac{1}{2}$ , from which

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Continued -

79.00 A Pale Verde, 6 in. dia. tree N.  $78\frac{1}{2}^{\circ}$  W. 43 lvs. dist  
 80.00 Dried bed of stream 25 lvs. wide, lvs. N. W.  
 80.00 Set a post, 4 ft. long, 3 in. sq. d.  $1\frac{1}{2}$  ft  
 in the ground, build mound of earth  
 6 ft high, with 2 pits on line N. and E.  
 and mark post, U. S. M. R. X  
 from which

A Pale Verde, 8 in. dia. tree N.  $18\frac{1}{4}^{\circ}$  E. 139 lvs. dist

do. 9 " " " S.  $73^{\circ}$  E. 131 " "

Land rolling. Pale Verde Brush

## East or S. boundary Reservation

was  $14^{\circ} 18'$  East.

15.50 Dry bed of stream, 50 lvs. wide, lvs. N. W.  
 28.20 Dry bed of stream, 20 lvs. wide, lvs. N. W.  
 39.40 Dry bed of stream, 25 lvs. wide, lvs. N. W.  
 40.00 Set a post, 4 ft. long, 4 in. sq. d.  $1\frac{1}{2}$  ft in  
 the ground, build mound of earth  
 6 ft high, with 2 pits on line N. and E.

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

Continued

- 70.00 and mark post, U.S.M.R. 1/2, from which  
 Pale Verde, 6 in. dia. br., S. 56 1/4° W. 56 lbs. dist.
- 67.00 Dry bed of stream, 20 lbs. wide, br. N.
- 80.00 Set a post, 4 ft. long, 4 in. sq. d. 1 1/2 ft.  
 in the ground, build mound of earth 2  
 ft. high, with 2 pits on line W. and E.  
 and mark post, U.S.M.R. XT.  
 from which  
 Pale Verde, 8 in. dia. br., N. 79 1/2° E. 87 lbs. dist.  
 do. 4 " " N. 41 1/4° E. 69 " "  
 Land rolling, Pale Verde Brush.

East on S. boundary of Reservation.  
 Mar. 14 '18 East

- 40.00 Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft.  
 in the ground, build mound of  
 earth 2 ft. high, with 2 pits on line  
 W. and E. and mark post U.S.  
 M.R. 1/2, from which

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

- Continued
- 59.70 No. A Pale Verde, 10 in. dia. bro. N. 56° W. 20 lbs. dist.  
Dry bed of stream, 15 lbs. wide, bro. N. W.
- 80.00 Set a post, 4 ft long 3 in. sq. d. 1 1/2 ft. in the  
ground, build mound of earth 2  
ft high, with 2 pits on line E. and  
W. and mark post U. S. M. R. XII,  
from which
- A Pale Verde, 3 in. dia. bro. N. 60 1/2° E. 132 lbs. dist.  
do. 4 " " " N. 66 1/2° W. 50 " "
- Land rolling, Pale Verde Brush

- East on S. boundary of Reservation  
var. 14° 18' East
- 240.00 Set a post, 4 ft long, 4 in. sq. d. 1 1/2 ft. in  
the ground, build mound of earth,  
2 ft high, with 2 pits, N and E,  
and mark post, U. S. M. R. 1/2,  
from which
- A pale verde, 3 in. dia. bro. S. 54° E. 86 lbs. dist.

# Survey of Camp Lowell Military Reservation. Pima County, Arizona

Ps. Continued -

- 65.70 Dry bed of stream, 40 hrs. wide, hrs. N. W.
- 80.00 Set a post, 4 ft. long, 4 in. sq'd. 1/2 ft. in the ground, build mound of earth 2 ft. high, with 2 pits on line N. and E. and mark post, U. S. M. R.

XIII. from which

- A Pale Verde, 3 in. dia. hrs. S. 41 1/2° N. 125 hrs. dist
  - do. 3 " " " N. 6° E. 49 " "
- Land rolling. Much Pale Verde brush.

## East on S. boundary of Reservation var. 14° 18' East

- 19.00 Dry bed of stream, 20 hrs. wide, hrs. N. W.
- 35.00 Dry bed of stream, 25 hrs. wide, hrs. N. W.
- 40.00 Set a post, 4 ft. long, 3 in. sq'd. 1/2 ft. in the ground. build mound of earth 2 ft. high, with 2 pits on line N. and E. and mark post, U. S. M. R. 1/2.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued -  
 P.S. from which

80.00 A Pale Verde, 3 in. dia. bar. S.  $20\frac{1}{2}^{\circ}$  E. 27 hrs. dist.  
 Set a post, 4 ft. long, 4 in. sq. d.  $1\frac{1}{2}$  ft. in the ground. Build mound of earth 2 ft. high, with 2 pits on line N. and E. and mark post, U. S. M. R. XIV. from which

A mesquite, 7 in dia. bar. North 73 hrs. dist.  
 A Pale Verde, 3 " " " N.  $36^{\circ}$  W. 71 " "  
 Land rolling. Brush. A few trees.

East on S. boundary of Reservation  
 var.  $14^{\circ} 18'$  East

77.00 Dry bed of stream 40 hrs. wide, bar. N. E.  
 14.70 Dry bed of stream, 15 hrs. wide, bar. N. E.  
 40.00 Set a post, 4 ft. long, 3 in. sq. d.  $1\frac{1}{2}$  ft. in the ground. Build mound of earth 2 ft. high, with 2 pits on line N. and E. and mark post U. S. M. R. 1/2

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

Continued -  
Nos. from which

- 61.00 Pale Verde, 6 in. dia. bar. N. 81° 14' W. 57 lbs. dist.  
51.00 Dry bed of stream, 50 lbs. wide, bar. N. E.  
76.60 Dry bed of stream, 40 lbs. wide, bar. N. E.  
80.00 Set a post, 4 ft long, 4 in. sq. d., 1 1/2 ft  
in the ground, build mound of earth  
2 ft high, with 2 pits on line, N. and  
E. and mark post U. S. M. R.

XV. from which

- Amesquite, 7 in. dia. bar. S. 12° E. 43 lbs. dist.  
do. 12 " " " S. 57° E. 67 " "  
Land rolling. Brush. A few mesquite

East on S. boundary of Reservation  
Var. 14° 18' East

- 19.00 Dry bed of stream, 75 lbs. wide, bar. N. E.  
39.00 Dry bed of stream, 60 lbs. wide, bar. N. E.  
40.00 Set a post, 4 ft long, 3 in. sq. d., 1 foot  
in the ground, build mound of



Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

Continued -

- 42.00 Stones 3 ft. high, and mark post  
U. S. M. R. 72. from which  
Arcequite, 4 in. dia. (w. S. 57° E. 37 lvs. dist
- 42.00 Foot of hill and ascend.
- 76.00 Rocky bluff and descend into gulch.
- 80.00 Set a post 5 ft long, 4 in. sqd. only 1  
ft in the ground on account of stru-  
ing solid rock, painted white, build  
mound of stones 3 ft high, and  
mark it U. S. M. R. S. E. XVI.  
Cor. stands on N. W. slope of foot  
hill.  
No trees near.  
Land rising on foot hills of Santa  
Catarina mountain, on E. end.  
Brush. A few trees.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

From the foregoing S. E. cor. of the Reservation, I run

North on E. boundary of Reservation  
var.  $14^{\circ} 18'$  East.

As per Duets improved solar compass.

- 9.00 Rocky cañon Cor. N. W.
- 19.00 Leave hill.
- 40.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft in the ground, build mound of earth 2 ft high with 2 pits on line, S. and N. and mark post U. S. M. R.  $\frac{1}{2}$ , from which  
A mesquite, 4 in. dia. Cor. N.  $55^{\circ}$  E. 23 lbs. dist
- 52.70 Dry bed of stream, 40 lbs. wide Cor. N. W.
- 63.00 Dry bed of stream, 50 lbs. wide Cor. E. then N. E.
- 80.00 Set a post, 4 ft long, 4 in. sq'd.  $1\frac{1}{2}$  ft in the ground, build mound of earth 2 ft high, with 2 pits on line S. and N. and mark post U. S. M. R.  
(over)

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Continued  
Ls. XVII.

from which  
Mesquite, 5 in. dia. base, S. 14° N. 77 lvs. dist  
do. 4 " " North. 36 " "  
Land broken; line runs along foothills  
Brush. A few mesquite  
January 3, 1876

## NORTH on E. boundary of Reservation rec. 14° 18' East.

- 40.00 Set a post, 4 ft long, 3 in. sq'd, 1 1/2 ft. in the ground, build mound of earth 2 ft. high, with 2 pits on line S. and N. and mark post U.S.M.R. 1/2, from which Mesquite, 7 in. dia. base, S. 70° N. 20 lvs. dist
- 57.00 Bed of Killits creek, 200 lvs. wide, base N. W.
- 60.00 Fence runs N. E.
- 63.40 Leave corral fence.
- 80.00 Set a post, 4 ft long, 4 in. sq'd, 1 1/2 ft. in the ground, build mound

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Continued-

Sp.

of earth 2ft high, with 2 pits on line S. and N. and mark post, U.S.

M. R. XVIII. from which

A mesquite, 8 in. dia. brs. S. 85 1/2° E. 172 chs. dist.

A Palo Verde, 3 " " " N. 87° W. 76 " "

House of Manuel Martinez brs. S. 59° W. about 15 chs. dist.

Land, descending to level bottom of Killito creek. A few trees.

North on E. boundary of Reservation was. 14° 18' East

26.96

Intersect S. boundary of Twp. 13 S. Range 16. E. of the Gila & Salt River Meridian, 1.22 chs. W. of cor. to secs. 34 and 35. Set a post, 4 ft long, 3 in. sq. d. 1 ft in the ground, build mound of earth 2 ft high, with 3 pits. S. E. and N. and on S. side of post mark, T. 14 S.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona.

Sta.	Continued - R. 16 E. 3. and on N. side of post, I mark. T. 13 S. R. 16 E. 3 <sup>rd</sup> <sup>EG</sup> From which
	A mesquite, 8 in. dia. br. S. 78° E. 66 lbs. dist do. 4 " " " N. 68° W. 44 " "
30.00	Foot of hill and ascend.
<del>33.30</del>	Point of rocks.
40.00	Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft. in the ground, build mound of earth 2 ft. high, with 2 pits on line S. and N. and mark post U. S. M. R. 1/2, from which Pale Verde, 3 in. dia. br. S. 52 1/2° W. 54 lbs. dist
43.50	Top of Ridge.
58.00	Rocky point.
75.00	Descend to N. base of ridge.
80.00	Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft. in the ground, build mound of earth 2 ft. high, with 2 pits on line S. and N. and mark post U. S. M. R. XIX. from which

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

Continued -

Chs. 4 mesquite, 7 in. dia. brs. S.  $31\frac{1}{2}^{\circ}$  W. 29 lbs. dist.  
4 Palo Verde, 3 " " " S.  $56\frac{1}{4}^{\circ}$  W. 67 " "  
Land broken. Brush. Some trees.

North on E. boundary of Reservation.  
var.  $14^{\circ} 18'$  East

- 3.50 Cañon runs S. W.  
29.00 Top of Ridge  
27.00 Intersect section line, 1.10 chs. N. of  
cor. to secs. 26, 27, 34 & 35, of T. 13, S.  
Range 16 E. of the Gila and Salt River  
Meridian. Set a mound of stones  
3 feet high for closing cor.  
No trees near.
- 40.00 Set a post, 4 ft. long, 3 in. sq. d.  $1\frac{1}{2}$   
ft. in the ground, build mound of  
earth 2 ft. high, with 2 pits on line  
S. and N. and mark post U. S.  
M. R.  $\frac{1}{2}$ . from which

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued. -

38. A mesquite 3 in. dia. bro. N. 64° W. 74 lbs. dist.

This cor. is alongside of a big rock, at  
the bottom of a gulch.

40.20 Cañon bro. W.

49.50 Top of Ridge.

80.00 A mesquite tree, 4 in. dia. stands in  
place. Mark it U. S. M. R. XX.

No trees near.

Land broken. Brush and a few trees.

North on E. boundary of Reservation  
dir. 14° 18' East.

6.89 To point on ridge. In advance of this  
point the land on line is too broken  
and precipitous to be chained over  
with any accuracy. So I set a  
flag on line on opposite elevation,  
and measure off a base 4 chs. W.  
to a point whence the flag bro.

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Continued -

- Chs. N.  $8^{\circ}11'$  E. making distance to flag,  
on line, 27.82 chs. or at  
34.71 To flag on line on top of ridge.  
This distance crosses point of inter-  
section of section line of public land  
survey. I run back on line to  
point 26.80 chs. from commencement  
of this mile, where I intersect sec.  
line 1.30 chs. N. of cor. to secs. 22, 23  
26 and 27. of T<sup>p</sup>. 13 S. Range 16 E. of  
the Gila and Salt River Meridian.  
Set a mound of stones 3 ft high for  
closing corner. No trees near.  
Returning to flag, I continue on line N.  
40.00 Set a post, 4 ft long, 3 in. sqd.  $1\frac{1}{2}$   
ft in the ground, build mound of  
earth 2 ft high with 2 pits on line  
S. and N. and mark post U. S.  
M. R.  $\frac{1}{2}$ . No trees near.  
to the land on line in advance of



# Survey of Camp Lowell Military Reservation, Pima County, Arizona

- Chs. Continued.
- Chs. this point cannot be chained, I set a flag ahead on line and returning to point at 34.71 Chs. I measure of thence a base 7 Chs. W. to point whence flag bears  $111^{\circ}15'$  E. making distance to flag, on line 35.19 Chs. or at
- 69.90 At flat, on line, on top of ridge
- 80.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft in the ground, build mound of earth 2 ft high, with 2 pits on line S. and N. and mark post, U.S. M. R. XXI. from which
- A Beballama tree, 6 in. dia. base. S.  $45^{\circ}$  W. 23 Chs. dist
- A mesquite tree, 5" " " North, 50 " "
- Land very barren. Some brush & trees.

North on E. boundary of Reservation  
Var.  $14^{\circ}18'$  East  
As the ground in advance is too rough

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

- Continued -  
 and broken to be chained over with accuracy. I return to a point previously marked on last mile, 70.69 chs. N. of cor. XX. From this point I set a flag in advance on line due N. and run off a base 5.50 chs. W. to a point whence flag on line has N.  $8\frac{1}{2}^{\circ}$  E. making distance to flag, 36.49 chs. or
- 27.48 From cor. XXI, to flag on line.
- 40.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft in ground, build mound of earth 2 ft high, with 2 pits on line S. and N. and mark post, U.S. M.R.  $\frac{1}{2}$ . No trees near.
- 50.28 To point on top of ridge. Set a flag on line in advance and measure off a base E. 6 chs. to a point whence flag on line has N.  $8^{\circ} 10'$  W. making distance to flag 41.88 chs. or at 92.16 chs. to a point whence I

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

Continued.

hs. measure back on line 12.16 chs. & at  
80.00 I set the N.E. cor. of the reservation  
temporarily.

Land very rough, broken and  
mountainous. This land was  
returned in public land surveys  
as impracticable of survey, and  
properly so, and the only way I  
could make my measurements  
was by triangulation.

January 4, 1876.

In order to have better ground  
at the start, to measure over,  
I return to the Initial Point,  
on the N. boundary of the  
reservation and run thence  
as follows: -

Survey of Camp Lowell Military Reservation. Pima County, Arizona.

From the Initial Point on N. boundary of the reservation, from

North on N. boundary of Reservation, var. 14° East

As per Smiths improved solar compass.

400 Road hrs. N. E.

25.80 Intersect section line, 1.15 Chs. E. of cor. to sec. 27. 28. 33 and 34, of T. 13. R. 14 E. of the Gila & Salt River Meridian. Set a post, 4 ft long, 3 in. sq'd. 4 ft. in the ground, build mound of earth 2 ft high, with 3 pits, S. W. and N. and mark on S. side of post.

T. 13 S. R. 14 E. 34, and on N. side of post, T. 13. S. R. 14 E. 27, C.C. from which  
A mesquite, 6 in. dia. hrs. S. 62° E. 62 lbs. dist.  
do. 7 " " " S. 80° W. 84 " "

40.00 Set a post, 4 ft long, 4 in. sq'd. 1 1/2 ft in the ground, build mound of earth

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

- Continued.
- 47.00 2 ft high, with 2 pits on line, S. and N. and mark post U. S. M. R., from which Amesquite, 9 in dia. brs. S.  $14\frac{1}{2}^{\circ}$  N. 43 lbs. dist
- 48.00 Old road brs. N. E.
- 49.00 Bank of Pillito creek, brs. N. W.
- 51.00 To N. Side of creek, (200 lbs. wide.)
- 50.00 Set a post, 4 ft long, 6 in. sq. d.  $1\frac{1}{2}$  ft in the ground, build mound of earth 2 ft high, with 2 pits on line S. and N. and mark post, U. S. M. R. —

XXIII. from which Amesquite, 8 in. dia. brs. N.  $48^{\circ}$  E. 56 lbs. dist  
do. 4 " " S.  $42\frac{1}{2}^{\circ}$  W. 170 " "

Land undulating and bottom. Scattering trees.

North on W. boundary of Reservation  
var.  $14^{\circ}$  East

25.07 Intersect section line 2.07 chs. E. of cor. to secs. 21, 22, 27 and 28. of T. 7 N.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

- Continued -
- No. 13 S. R. 14 E. Set a post, 4 ft long, 3 in. sq'd. 1 ft in the ground, build mound of earth 2 ft high, with 3 pits on lines S. W. and N. and mark post on S. side, T. 13. S. R. 14 E. 27, and on N. side, T. 13. S. R. 14 E. 22, <sup>C.C.</sup> from which  
A mesquite, 9 in. dia. brs. S. 80 1/4 E. 185 lbs. dist
- 27.10 Old road brs. N. E.
- 30.00 Leave valley of the Pilito, brs. N. W. and ascend hills.
- 40.00 Set a post, 4 ft long, 3 in. sq'd. 1 ft in the ground, build mound of earth 2 ft high, with 2 pits on line, S. and N. and mark post, U. S. M. R. 1/2. from which  
A Pale Verde, 3 in. dia. brs. N. 53 1/2 W. 40 lbs. dist
- 80.00 Set a post, 4 ft long, 3 in. sq'd. 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pits on line S. and N. and mark post U. S. M. R. XXIV.

BOOK 1793

# Survey of Camp Lowell Military Reservation. Pima County, Arizona

Continued -  
 from which

A Pale Verde, 4 mi. dis. from N. 3° E. 84 hrs. dist.

do. 9 " " " N. 52° E. 187 " "

Good soil on first half, then brown mesa.

A few trees and brush.

## North on N. boundary of Reservation Mer. 14° East

- 3.00 Dry bed of stream, 25 hrs. wide, from S. E.
- 8.30 Road from N. E.
- 23.10 Road from N. E.
- 24.75 Intersect section line, 1.83 chs. E. of cor  
 to secs. 15, 16, 21 and 22. of T<sub>p</sub>. 13 S.  
 R. 14 E. of the Gila & Salt River Me-  
 ridian. Set a post, 4 ft. long, 3 in. sq. d.  
 1 ft. in the ground. Build mound of  
 Earth 2 ft. high, with 3 pits on lines  
 S. W. and N. and mark post on  
 S. side. T. 13. S. R. 14 E. 22, and

# Survey of Camp Lowell Military Reservation. Pima County, Arizona.

Continued -

- 10.00 on N. side, T. 18, S. R. 14 E. 15<sup>e.c.</sup> from which  
 a Pale Verde, 3 in. dia. br. N. 38° E. 15 br. dist.  
 do. 3 " " S. 16° W. 21 " "
- 40.00 Set a post, 4 ft long, 3 in. sq. d. (1 1/2 ft in  
 the ground, build mound of earth 2 ft  
 high with 2 pits, N. and S. on line, and mark  
 post, U. S. M. R. 1/2, from which  
 Amesquite, 4 in. dia. br. East. 26 br. dist.
- 80.00 Set a post 5 ft long and 4 x 5 inches  
 sq. d. painted white, set 15 inches in  
 the ground, (couldn't set it deeper on  
 account of rock,) build mound of  
 earth 2 ft high, with 1 pit S. on line  
 and 1 pit E. on line, and mark post  
 U. S. M. R. N. W. XXV. for N. W.  
 cor. of Reservation. from which  
 a Pale Verde, 4 in. dia. br. S. 6° W. 22 br. dist.  
 do. 5 " " S. 52 1/2° W. 69 " "
- Land broken mesa. Brush, a few trees.



# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Chs. From the N.W. cor. of the Reservation  
Tym

East on N. boundary of Reservation  
var.  $14^{\circ}30'$  East

As per Burt's improved solar compass.

- 6.40 Road hrs. N.
- 10.00 Dry bed of stream, 40 hrs. wide, hrs. S.E.
- 40.00 Set a post, 4 ft long, 3 in. sq. d. 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post, U.S. M.R. 1/2 from which  
Annesquite, 9 in. dia. hrs. N.  $59\frac{1}{2}^{\circ}$  N. 126 hrs. dist.
- 64.50 Dry bed of stream, 50 hrs. wide, hrs. S.W.
- 78.03 Intersect section line 15.30 Chs. N. of 1/4 sec. cor. between sees 14 and 15, of Twp. 13 S. Range 14 E. of the Gila and Salt River Meridian.  
Set a post, 4 ft long, 3 in. sq. d. 1 1/2

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued-

No. in the ground, build mound of earth 2 ft high, with 3 pits on line N. & E. and on N. side of post mark, T. 13. S. R. 14 E. 15, and on E. side, mark, T. 13. S. R. 14 E. 14 C.C. from which

A Pale Verde, 3 in. dia. base, S. 3° W. 51 lbs. dist

do. 2 " " " West, 55 " "

80.00 Set a post, 4 ft long, 3 in. sqd. 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post, U. S. M. R. XXVI. from which

A Pale Verde, 4 in. dia. base, S. 60° W. 32 lbs. dist

do. 3 " " " N. 88° W. 40 " "

Land broken mesa. Brush.

Scattering trees.

East on N. boundary of Reservation var. 14° 30' East

# Survey of Camp Lowell Military Reservation. Pima County, Arizona

Res. Continued.

- 12.00 Dry bed of stream, 40 lbs. wide, bas. S. W.
- 24.00 Dry bed of stream, 40 lbs. wide, bas. S. W.
- 40.00 Set a post, 4 ft long, 3 in. sq. d.  $1\frac{1}{2}$  ft. in the ground. Build mound of stones 2 ft. high, and mark post, U. S. M. R.  $\frac{1}{2}$ , from which  
 A Pale Verde, 6 in. dia. bas. S. 15° W. 159 lbs. dist.
- 54.50 Dry bed of stream, 50 lbs. wide, bas. S. W.
- 78.21 Intersect sec. line, 14.70 chs. N. of 14 sec. cor. between secs. 13 and 14. of T. P. 13 S. R. 14 E. Set a post, 4 ft long, 3 in. sq. d. 1 ft. in the ground, build mound of stones 2 ft high, and mark on N. side of post. T. 13. S. R. 14 E. 14, and on E. side. T. 13. S. R. 14 E. 13. C. C.  
 No trees near.
- 79.00 Dry bed of stream, 40 lbs. wide, bas. S. W.
- 80.00 Set a post, 4 ft long, 3 in. sq. d.  $1\frac{1}{2}$  ft. in the ground, build mound of earth

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

Continued -

Chs. 2 ft high, with spike on line N. and E.  
and mark post. U. S. M. R. XXVII.

No trees near.

Land broken mesa. Brush, No timber. X

East on N. boundary of Reservation.  
Var.  $14^{\circ}30'$  East

- 27.50 Dry bed of stream, 20 lbs. wide, hrs. S. W.
- 32.50 Dry bed of stream, 40 lbs. wide, hrs. S. W.
- 40.00 Set a post, 4 ft. long, 4 in. sq'd.  $\frac{1}{2}$  ft. in the  
ground, build mound of stones 2 ft high  
and mark post. U. S. M. R.  $\frac{1}{2}$ . from which  
A Pale Verde, 3 in. dia. hrs. S.  $10^{\circ}$  E. 88 lbs. dist
- 57.50 Dry bed of stream, 25 lbs. wide, hrs. S. W.
- 79.15 Intersect the E. boundary of Twp. 13 S. R.  
14 E. - 14.03 Chs. N. of  $\frac{1}{4}$  sec. cor. on  
E. boundary of Sec. 13 of said Township.  
Set a post, 4 ft. long, 3 in. sq'd. 1 ft. in the  
ground, build mound of earth 2 ft

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

70.00

Continued -  
high, with 3 pits on lines N. N. and E. and on W. side of post, mark, T. 13, S. R. 14 E. 13, and on E. side, mark, T. 13, S. R. 15 E. 18, c.c. from which

A Pale Verde, 3 in diameter, N. 60° W. 9 lbs. dist  
do. 3 " " " S. 12° E. 46 " "

80.00

Set a post, 4 ft long, 3 in. sq. 1 1/2 ft in the ground, built mound of earth 2 ft high with 2 pits on line N. and E. and mark post, U. S. M. R. XXVIII, from which

A Pale Verde, 3 in diameter, S. 66 1/2° W. 87 lbs. dist  
do. 4 " " " N. 46° E. 77 " "

Land broken mesa and hills. Brush. Scattering trees.

East on N. boundary of Reservation  
Mar. 14° 30' East

9.00

Dry bed of stream, 20 km. wide, hrs. S. W.

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Cont. Continued-

40.00 Set a post, 4 ft long, 3 in. sq. d., 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pins on line N. and E. and mark post, U. S. M. R. 1/2. No trees near.

46.00 Foot of hill and ascend.

49.24 Intersect section line, 14.18 Chs. N. of 4 sec. cor. between secs 17 & 18 of T. 13 S. R. 15 E. Set a granite rock, 17 x 12 x 7 inches, 7/8 in the ground, build mound of stones on N. side 2 ft high.

from which

A Pale Verde, 3 in. dia. brs. S. 65° W. 75 lbs. dist.

50.00 Set a post, 4 ft long, 3 in. sq. d., 1 1/2 ft in the ground, build mound of stones 2 ft high and mark post, U. S. M. R. XXIX. No trees near.

Land hilly. Soil poor. Brush. A few trees.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

hs. East on N. boundary of Reservation.  
var.  $14^{\circ}30'$  East

- 14.00 Top of ridge, hrs. S.
- 21.50 Leave ridge; N. base.
- 23.00 Dry bed of stream, 40 hrs. wide, hrs. S. E.
- 40.00 Set a post, 4 ft long, 4 in. sqd. 1 1/2 ft in the ground, build mound of stones 2 ft high, and mark post, T. S. M. R. 1/2, from which Amecquite, 6 in. dia. hrs. S. 44° N. 17 hrs. dist
- 42.00 Bed of stream, 100 hrs. wide, hrs. S. E.
- 42.50 Bed of stream, 20 hrs. wide, hrs. S. W.
- 49.10 Intersect section line 13.85 chs. N. of the 1/4 sec. cor. between sec. 16 and 17, of T. 13 S. R. 15 E. Set a post, 4 ft long, 3 in. sqd. 1 ft in the ground, build mound of earth 2 ft high, with 3 pits on lines N. N. and E. and mark on N. side a post, T. 13. S. R. 15 E. 17, and on E. side, T. 13. S. R. 15. E. 16. C. C. from which

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

Continued.

- rs. Arisequite, 10 in dia. br. N.  $80\frac{1}{2}^{\circ}$  W. 78 br. dist  
do. 15 " " S.  $78\frac{1}{4}^{\circ}$  E. 46 " "
- 80.00 Set a post, 4 ft long, 3 in. sq. d. 1 1/2 ft in the  
ground, build mound of earth 2 ft  
high with 2 pits on line N. and E. and  
mark post, U. S. M. R. XXX from which  
Arisequite, 10 in dia. br. S.  $47\frac{1}{4}^{\circ}$  W. 40 br. dist  
do. 3 " " N.  $34\frac{1}{2}^{\circ}$  E. 45 " "
- Land broken. On the N. in a short distance  
the precipitous mountains commence. Land  
worthless

January 5, 1876

East on N. boundary of Reservation  
Var.  $14^{\circ}30'$  East

- 17.00 Dry bed of stream, 30 br. wide br. S. E.  
24.00 Dry bed of stream, 40 br. wide, br. S. E.  
40.00 Set a post, 4 ft long, 3 in. sq. d. 1 1/2 ft in the  
ground, build mound of earth 2 ft  
high, with 2 pits on line N. and E. and



# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Sts.	Continued - mark post, U.S. M. R. $\frac{1}{2}$ , from which Amesquite, 4 in dia. $\text{bns. N. } 30^{\circ} \text{ E. } 17 \text{ lns. dist.}$
40.50	Dry bed of stream, 25 lns. wide, $\text{bns. S. E.}$
54.50	Dry bed of stream, 40 lns. wide, $\text{bns. S. E.}$
66.00	Fence $\text{bns. N. and S.}$
71.50	Ditch runs S.
78.90	Intersect section line, 13.30 chs. N.
	of $\frac{1}{4}$ sec. cor. between sec. 15 and 16, of T $\frac{1}{4}$ P. 13 S. Range 15 E. Set a post, 4 ft long, 5 in. sq. d. 1 ft. in the ground, build mound of earth 2 ft high, with 3 pits on lines, N. N. and E. and on W. side of post, mark, T. 13 S. R. 15 E. 16, and on E. side, mark, T. 13 S. R. 15 E. 15 C.C. from which
	Amesquite, 7 in dia. $\text{bns. N. } 46 \frac{1}{2}^{\circ} \text{ E. } 77 \text{ lns. dist.}$
	do. 4 " " " S. $32 \frac{1}{2}^{\circ}$ N. 108 " "
80.00	Set a post, 4 ft long, 5 in. sq. d. 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pits on line, N. and E.

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued -  
 and mark post, U. S. M. R. XXXI.  
 from which  
 A mesquite, 8 in. dia. bears S. 85 1/2° E. 83 lbs. dist.  
 do. 7 " " " N. 45 1/2° W. 76 " "  
 Landbroken. Mountains on N. A few trees.

## Eastern N. boundary of Reservation var. 14° 30' East

- 20.00 Dry bed of stream, 75 lbs. wide, Cor. S. N.  
 40.00 Set a post, 4 ft long, 3 in. sq. d. 1 1/2 ft in  
 the ground. build mound of earth 2 ft  
 high, with 2 pits on line, N. and E. and  
 mark post, U. S. M. R. 1/2. from which  
 A mesquite, 8 in. dia. bears S. 75 1/2° W. 75 lbs. dist.  
 63.00 Dry bed of stream, 40 lbs. wide Cor. S. N.  
 79.05 Intersect section line, 13.50 chs. N. of the  
 1/4 sec. cor. between sec. 14 and 15, of  
 T<sub>p</sub>. 18 S. Range 15 E. Set a post, 4 ft  
 long, 3 in. sq. d. 1 ft in the ground, build

# Survey of Camp Lowell Military Reservation, Pima County, Arizona

Continued  
 No. mound of earth 2 ft high, with 3 pits on lines, N. N. and E. and on N. side of post, mark, T. 13. S. R. 15. E. 15, and on E. side, mark, T. 13. S. R. 15. E. 14. C. C. from which

A mesquite, 8 in. dia. br. S. 7° E. 26 lbs. dist.

Spale Verde, 3 " " " N. 65 1/2° E. 33 " "

80.00 Set a post, 4 ft long, 4 in. sq. d. 1 1/2 ft in the ground, build mound of earth 2 ft high, with 2 pits on line N. and E. and mark post, U.S. M. R. XXXII. from which

A mesquite, 4 in. dia. br. N. 21 1/2° E. 59 lbs. dist.

do. 8 " " " S. 74° W. 94 " "

Sand broken. On N. mountains.

Brush. A few trees.

East on N. boundary of Reservation  
 var. 14° 30' East

38.70 Spring, with water running from it S. W.

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

Continued -

- |       |   |
|-------|---|
| 40.00 | Set a post, 4 ft. long, 3 in. sqd. 1 1/2 ft. in the ground. Build mound of earth 2 ft. high with 2 pits on line N. and E. and mark post, U. S. M. R. 1/2, from which Amesquite, 20 in. dia. brs. S 40° W. 40 chs. dist  |
| 59.50 | Dry bed of stream, 40 chs. wide, brs. S. W.   |
| 73.50 | House & chs. S. of line.  |
| 74.90 | Fence enclosing spring.   |
| 75.00 | Spring, runs S.   |
| 76.50 | Leave fence.  |
| 78.00 | Spring, runs S.   |
| 79.01 | Intersect section line 13.38 chs. N. of 1/4 sec. cor. between sees. 13 and 14. of T <sub>p.</sub> 13 S. range 15 E. Set a post, 4 ft. long, 3 in. sqd. 1 ft. in the ground, build mound of earth 2 ft. high with 3 pits on lines, N. N. and E. and on N. side of post, mark, T. 13, S. R. 15 E. 14, and on E. side of post, mark, |

# Survey of Camp Lowell Military Reservation. Pima County. Arizona

- Continued -
- 75.00 No. 5. 13. S. R. 15 E. 13. C. C. from which  
Amesquite, 12 in. dia. less S. 57° W. 69 lbs. dist  
do. 8 " " " S. 67 1/4° W. 157 " "
- 80.00 Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft  
in the ground, build mound of  
earth 2 ft. high, with 2 pits on line  
W. and E. and mark post. U. S.  
M. R. XXXIII. from which  
Amesquite, 3 in. dia. less S. 87 1/2° W. 30 lbs. dist  
do. 6 " " " S. 41° E. 77 " "
- Land barren. Soil mostly poor. Scattering  
trees.

East on N. boundary of Reservation  
var. 14° 30' East.

- 22.00 Dry bed of stream, 40 lbs. wide, less S. W.
- 25.50 Foot of hill and ascend.
- 31.00 Top.
- 40.00 Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft  
in the ground, build mound of

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

Continued -

53.00 Stones 2 ft. high, and mark post,  
U. S. M. R. 1/2. No trees near.

55.00 Leave hill.

57.00 Dry bed of stream, 40 lbs. wide, bet. S. 7/8.

80.00 Set a post, 4 ft. long, 3 in. sq. d. 1 1/2 ft.  
in the ground. Build mound of  
stones 2 ft. high, and mark  
post, U. S. M. R. XXXIV, from which  
A Pale Verde, 3 in. dia. bet. N. 42° E. 58 lbs. dist  
do. 4 " " " N. 31 1/2° W. 14. "

This cor. falls on the course of the E. bound-  
ary of Twp. 13 S. Range 15. E. if such line  
were surveyed, and is 13 chs. N. of the  
1/4 sec. cor. on E. boundary of sec. 13 of  
said township.

Land very rough, rocky and pre-  
cipitous. Mountains rise imme-  
diately N. Some brush. A few  
trees.

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

hs. East on N. boundary of Reservation.  
var.  $14^{\circ}30'$  East

- 40.00 Set a post, 4 ft. long, 3 in. sq'd. 1 ft.  
in the ground, where I strike solid  
rock, build mound of stones  
2 ft. high, and mark post. U. S.  
M. R. 1/2. from which  
A Pale Verde, 3 in. dia. brs. S.  $35\frac{1}{2}^{\circ}$  W. 97 brs. dist.
- 44.20 Road to Pinery, brs. N. E.
- 54.50 Dry bed of stream, 40 brs. wide, brs. S. W.
- 68.00 Trail to Pinery, brs. N. E.
- 80.00 Set a post, 4 ft. long, 3 in. sq'd.  $1\frac{1}{2}$   
feet in the ground, build mound  
of stones 2 ft. high, and mark post,  
U. S. M. R. XXXV. from which  
A mesquite, 6 in. dia. brs. S.  $25\frac{1}{2}^{\circ}$  W. 116 brs. dist.  
do. 3 " " S.  $6\frac{1}{2}^{\circ}$  W. 86 " "
- Land broken and rough.  
Soil worthless. A few trees.

Survey of Camp Lowell Military  
Recreation, Pima County, Arizona.

To East on N. boundary of Recreation  
var.  $14^{\circ}30'$  East

- 7.00 Dribbed a stream, 40 hrs. wide, hrs. S. W.
- 40.00 Set a post, 4 ft long, 3 in. sq. d.  $1\frac{1}{2}$  ft  
in the ground. build mound of  
stones 2 ft high and mark post,  
U. S. M. R.  $\frac{1}{2}$ , from which  
A mesquite, 4 in. dia. hrs. S.  $30^{\circ}$  W. 42 hrs. dist
- 47.10 Bluff 25 feet high, and descend into cañon.
- 47.50 Cañon hrs. S.
- 64.88 To a point of elevation, where I set tem-  
porary flag for subsequent purposes.
- 70.00 Deep cañon hrs. S. W.
- 80.00 A Mesquite tree stands in place,  
5 inches diameter, and I mark it  
U. S. M. R. XXXVI.
- No trees near.
- Land very rough and mountainous.
- Soil worthless. A few trees.



Survey of Camp Lowell Military  
Reservation. Pima County, Arizona.

Chs. East on N. boundary of Reservation  
var.  $14^{\circ}30'$  East

The ground in advance is too rough and precipitous to chain over. So I return to flag set on last mile at the point noted as 64.88 chs. and setting flag on line E. I measure off a base 5.6 chs. to point whence flag on line E. bearing  $N. 83^{\circ}15' E.$  making distance to flag 50.70 chs. or at

35.58 To flag on line on this mile; and continue on line: -

40.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft. in the ground. build mound of stones 2 ft high, and mark post. U. S. M. R.  $\frac{1}{2}$ . from which

75.50 Set temporary flag at this point and continue.

80.00 Set a post, 4 ft long, 3 in. sq'd.  $1\frac{1}{2}$  ft

# Survey of Camp Lowell Military Reservation. Pima County, Arizona

Continued -  
 In the ground, build mound of stones  
 2 ft. high, and mark post, U.S.  
 M. R. XXXVII.  
 No trees near.  
 Land broken and mountainous.  
 Worthless. No timber.

## East on N. boundary of Reservation var. $14^{\circ}30'$ East

Land on line is too broken to chain  
 over. So I return to point noted  
 at 75.50 chs. on last mile and set  
 the flag on line E. Then from said  
 point I measure off base 5 chs.  
 N. to point whence flag on line E.  
 bearing  $S. 82^{\circ}40' E.$  making distance  
 to flag on line, 38.85 chs. or at  
 34.35 To flag on line, on this mile. - thence  
 continue E.

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Chs. Continued

40.00 Set a post, 4 ft. long, 3 in. squared,  
1/2 ft. in the ground, build mound  
of stones 2 ft. high, and mark  
post, U.S.M.R. 1/2.

from which

A mesquite, 12 in. dia. br. S. 43° E. 71 br. dist.

38.93 Land to rough to chain over. So at  
this point, I set my instrument, and  
place flag on line on the S. side of a  
big cañon, just N. of the temporary N. E.  
cor. of reservation, as set at termina-  
of my survey of the eastern boundary.  
From point 38.93 chs., I measure off a  
base N. 45 1/2° E. 8. chs. to point where  
flag on line br. S. 81° 12' E. making the  
distance to flag, on line, 41.92 chs.  
or 80.85 chs. to E. line of the reserva-  
tion, and 1.75 chs. N. of the tem-  
porary N. E. cor. of reservation as

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

This Continued-

as aforesaid.

I set the N. E. cor. of the Reserva-  
tion permanently, at the point of  
intersection of the E. and N. bound-  
aries of reservation, to wit, at

80.85 Set a post, 5 ft. long, 4 x 5 inches  
sqd. painted white, 1 1/2 ft. in the  
ground, build mound of stones  
3 ft. high, and mark post.

U. S. M. R. N. E. XXII.

from which

Successite, 12 in. dia. bearing N. 19° W. 100 lbs. dist

do. 5 " " " N. 64 1/4° E. 106 " "

Land broken and mountainous.

Soil worthless.

a few trees.

January 6, 1876.

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona

General Description

The United States Military  
Reservation at Camp Lowell,  
Arizona, is 13 miles long, east  
and west, and 6 miles wide,  
north and south, and includes  
land previously surveyed, by  
Government, in the eastern por-  
tion of Township 13 S. range  
14 E., the northeastern portion  
of township 14 S. range 13  
E., and the southern portions  
of townships 13 S. ranges 15  
and 16 E. all of the Gila  
and Salt River Base and  
Meridian, Arizona Territory.

The land embraced covers  
a portion of Pillito creek and  
its bottom, and extending thence

Survey of Camp Lowell Military  
Reservation. Pima County, Arizona

Continued-

on to the foothills of the Santa  
Catarina mountains. The general  
location of the reservation is about  
9 miles north & east of the  
town of Tucson. The Camp  
buildings are situated mainly  
in the N. E.  $\frac{1}{4}$  of section 38  
of township 13 S. range 14 E.  
aforesaid meridian. The exact  
position of the flag staff of the  
Camp, is laid down in the  
foregoing note.

There is but little timber on  
the reservation, consisting  
of a few scattering mes-  
quite, cottonwood and pale  
verde trees.

There are several springs  
on the extreme northern limits  
of the reservation.

Survey of Camp Lowell Military  
Reservation, Pima County, Arizona.

## General Description (Continued)

According to instructions I  
established corners at every  
40 and 80 chs on the bound-  
aries of the reservation  
and also at every intersection  
with lines of public land  
surveys.

Theodore F. White  
U. S. Deputy Surveyor.

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BOOK 1793

W<sup>o</sup> B. Palm & Wright  
H. Aubury

do solemnly swear that we will well and truly per-  
form the duties of Assessors and  
Flagmen, respectively  
according to instructions given us, and to the best  
of our skill and ability.

B. Palm  
Wright H. Aubury

Sworn to and subscribed before me this 1<sup>st</sup>  
day of January, 1876

John H. Harris  
Asst Secretary  
Arizona



List of Names.

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BOOK 1793

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 the United States Military  
Reservation at Camp Lowell,  
Pima County, Arizona.

Showing the respective capacities in which they  
acted.

Urbain Pissard. Chainman.  
R. A. Vasquez. Chainman,  
P. Palin. Axeman.  
Wright H. Aubrey. Flagman.

Final Oath of Assistants.

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BOOK 1793

We hereby certify that we assisted *Thos. F. White* U. S. Deputy Surveyor, in surveying *the Exterior boundaries of the United States Military Reservation at Camp Lowell, 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.

*Wesley Beyers* Chainman.  
*R. A. Vargas* Chainman,  
*B. Palm* Axeman.  
*Wright Aubrey* Flagman.

Sworn to and subscribed before me, this *7<sup>th</sup>* day of *January*, 18*76*

*John H. Harris*  
Asst. Secretary  
Arizona

Final Oath of Deputy Sur

BOOK 1793

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I, *Theodore F. White*

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 *6th* day of *December*

187*2*. 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 the  
United States Military Reser-  
vation at Camp Lowell,  
Arizona Territory.*

..... 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-

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**Particular** instructions from the U. S. General for Arizona, dated September regarding the establishment of corner *aries* of public surveys, and that the foregoing are the true and original Field Notes of each surveys.

*Theodore F. White*

Deputy Surveyor.

Sworn to and subscribed before me, this *17<sup>th</sup>* day of *January*, 187*6*

*John H. Harris*  
Asst. Secretary  
Arizona



BOOK 1793

BOOK 1793

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U. S. Surveyor General's Office

TUCSON ARIZONA,

March 15, 187

The foregoing Field Notes of the Survey of the  
Exterior Boundaries of  
Camp Lowell Military  
Reservation, Pima County,  
Arizona.

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by Theodore F. White

Deputy Surveyor, under his contract of the 6<sup>th</sup>  
day of December, 1875, having been

critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe  
are hereby approved.

John Massm  
Surveyor General.