

No. 1243

Book III

See Index

Field Notes

OF THE SURVEY OF

BOOK 1243

BOOK 1243

the
Retracing of 5th
Standard through
Range 16 East

No. 1243

BOOK 1243

Gila and Salt River Base and Meridian

ARIZONA.

By *O. D. Wheeler* D.S.

Under contract dated *Aug. 5* 187*2*

Survey commenced *Sept. 21* 187*2*

Survey completed *Sept. 22* 187*2*

1243

V

Township 21 North, Range 16 East,

Gila and Salt River Base and Meridian.

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 6 | 60 | 5 | 44 | 4 | 33 | 3 | 22 | 2 | 11 | 1 |
| 59 | | 58 | | 43 | | 32 | | 21 | | 10 |
| 7 | 57 | 8 | 42 | 9 | 31 | 10 | 20 | 11 | 9 | 12 |
| 56 | | 55 | | 41 | | 30 | | 19 | | 8 |
| 18 | 54 | 17 | 40 | 16 | 29 | 15 | 18 | 14 | 7 | 13 |
| 53 | | 52 | | 39 | | 28 | | 17 | | 6 |
| 19 | 51 | 20 | 38 | 21 | 27 | 22 | 16 | 23 | 5 | 24 |
| 50 | | 49 | | 37 | | 26 | | 15 | | 4 |
| 30 | 48 | 29 | 36 | 28 | 25 | 27 | 14 | 26 | 3 | 25 |
| 47 | | 46 | | 35 | | 24 | | 13 | | 2 |
| 31 | 45 | 32 | 34 | 33 | 23 | 34 | 12 | 35 | 1 | 36 |
| 5 | | 4 | | 4 | | 3 | | 2 | | 1 |

Survey commenced
 Sep. 21 1852
 For description of instrument
 and preliminary notes see
 Book 1 of 4th aux. Mer

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For survey of this line see
 T'ps 10 to 20 N. Rgs 10 to 20 E.

S. 21 N., R. 16 E.

| 31 | 32 | 33 | 34 | 35 | 36 |
|----|----|----|----|----|----|
| 5 | 4 | 4 | 3 | 2 | 1 |
| 6 | 5 | 4 | 3 | 2 | 1 |

Preliminary Oath of Assistants.

I, _____ do solemnly swear that I will well and truly perform the duties of Compassman, according to instructions given me, and to the best of my skill and ability.

Subscribed and sworn to before me, this _____ day of _____ 18____

U. S. Deputy Surveyor.

We, _____ and _____

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 will assist in measuring, to the best of our skill and ability.

Subscribed and sworn to before me, this day of
18

U. S. Deputy Surveyor.

I,
do solemnly swear that I will well and truly perform the
duties of
according to instructions given me, and to the best of my
skill and ability.

Subscribed and sworn to before me, this day of
18

U. S. Deputy Surveyor.

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Meridian.

Retracing 5th. Standard
Parallel. St. through Range 16E.

From the Cor. to Sp. 21
St. R. 16 and 17 E. which
is a post $4\frac{1}{2}$ ft. long
4 ins. sq. firmly set
in a mound of earth
marked S. O. T. 21 ft. on St.
R. 17 E. S. 21 on E. R. 16 E.
S. 36 on N. face; with 6
notches on St. E. and N. faces.
and pit on line S. E. and
N. of post 6 ft. dist. I must
start on a random line on
the S. boundary of Sec. 36
Va. $14^{\circ}18'E$.

Ascend gradually

37.00 Found Closing Cor. to Sp.
20 St. Range 16 and 17 E.
4 8 links N. of line, which Cor.
is a cottonwood post
properly marked and set
Top of ^{of the mound} sand hill ^{as per} mo. St. and S.
39.00 30 ft. long and descend.

Recovering 5th Standard

Meridian

Chains From the corner to Sections 35, 36, 1 and 2 on the South boundary, I run. North, between Sections 35 and 36.

| | Variation | East |
|-------|------------------------------------|------|
| 4 000 | Found no trace of old | 114 |
| | Sec. Cor. | |
| 8 000 | Set a point 17 feet | |
| | S. of old Cor. to Sec. | |
| | 35 and 36. which is a | |
| | post 4 ft. long 4 ins. sq. & | |
| | redig pits and rebuild | |
| | mid of earth to 4 y. paper age | |
| | Then I run S. 89° 53' E. | |
| | on a true line on the | |
| | South boundary of Sec. 36 | |
| | with same | |
| 4 000 | Set a post 3 ft. long | |
| | 3 ins. sq. with marked | |
| | stone 12 ins. in the ground | |
| | for 114 Sec Standard Cor. | |
| | marked 114 S. S. E. sect. | |
| | face dug pits 18x18x12 | |
| | ins. E. and N. of | |
| | stone 5 1/2 ft. diam. and | |
| | raised a mound of | |
| | earth 1 1/2 ft. high of 3 1/2 | |
| | ft. true mound post- | |
| 8 000 | Cor. to Sp. 25 N. Co. 16 and 17 E. | |

x 21
8 000

through Range 16 E.

Meridian.

Chains

East, on a random line between Sections 25 and 36.

Variation

East.

Surface level and rolling
Soil 3rd rate
Some grass

Post on the S. bound. of Sec. 25
Va. 130 30° E.

31.00 To a point 68 links S. of the
C.C. to Sec. 1 and 2

40.00 To old 114 Sec. Cor. which is
a mound of earth with pits
and one build saw

54.50 Wash 35 links wide to S. 47° W.

80.00 To a point 43 links S.
of old Standard Cor. to
Sec. 34 and 35 which is
a post in a mound
of earth properly set and
marked and pits N.E.

and N. pits of post 5 1/2 ft. dist
one pit and pits mound to be of further
Surface level

Soil 3rd. rate sandy
little grass

Retracing 5th Standard Meridian.

Chains North, between Sections 25 and 26.

Variation

East.

Met on the South
bound. of Sec. 24

Var. 130 30' E.

31.40

To a point 44 links
S. of the Coloring Cor.
to Sec. 2 and 3.

39.95

To a point 47 links S.
of old "4" Sec. Cor. which
is a sand stone 10x4 ins.

80.00

^{above ground marked in m. N. face}
To a point 42 links
S. of the old standard
Cor. to Sec. 33 and 34

which is a mound of earth
with pits N. E. and N. of
mound 5 ft. dish and

^{pits and rebuilt mound to be 5 ft. high 8' wide}
Stake in E. face

Surface level
Soil rd. rate
Scrubby cotton wood
timber.

Little grass

Through Range 16 E.

Meridian.

Chains

East, on a random line between Sections 24 and 25.

Variation

East.

Met on the S. bound. of Sec. 33
 Va. $13^{\circ} 30' E$.

- 3995 To a point 82 links
 S. of old standard 114
 Sec. Cor. which is a
 mound of earth with
 firs ^{to be dug firs and rebuild mound}
- 7995 To a point 50 links S.
 of Standard Cor. to Sec.
 32 and 33 which is a
 cottonwood post properly
 marked and set with
 firs and mound. Dredging
 firs and rebuild mound
 to be of proper size
 Surface level nearly
 Soil 3rd. rate
 Good grass

Met on the South bound.
 of Sec. 32

- 2.25 Old road hrs. at $57^{\circ} N$.
 31.31 To Closing Cor. to Sec.
 4 and 5. which is a post

Retracing 5th standard Meridian.

Chains

North, between Sections 23 and 24.

properly ^{notched} and marked with pits - E. and N. of post. Station ft. dist. East.

40.00

To old 114 Sec. Standard Cor. which is a post 3 ins. sq. properly marked with pits and mound

65.25

^{Dredge of pits dug through ground to see if proper size}
 Little Colorado River 3.00 Cha wide Co. St. and ascend gradually

80.25

To a post 4 1/2 buhls S. of old Standard Sec. Cor. to Sec. 31 and 32 which is a post in a mound of earth with pits N. E. and N. of post. 5 1/2 ft. dist. which is properly

^{pits and notched} ^{marked and notched} ^{dredge}
 surface level nearly

Soil 2nd. rate
Good grass

Met on South mound.
 of Sec. 31
 Va. 13°30'E.

through Range 16 E

Meridian.

Chains

~~East, on a random line between Sections 13 and 24~~

31.15

To C. C. to Sec. 5 + 6 ^{which is a post properly set and marked} East

40.17

To a point 50 links S. of old "14 Sec. Standard Cor. which is a post in a mound of earth properly set and marked with E. and N. of post 5 1/2 ft. dist. ^{to be of proper size} dredge pits and rebuild mound from which a cottonwood

11 ins. in diam

80.65

brs. S. 71° 30' N. 16 links dist. To the Standard Cor. to Sp. 21 N. Co. 15 and 16 E. which is a cottonwood post 4 ins. or in a mound of earth properly marked as per instructions of old manual with pits N. E. and N. of post 6 ft. dist. ^{to be of proper size} dredge pits and rebuild mound from which a cottonwood 14 ins. in diam

brs. at 64° E. 217 links dist. Surface level Soil 2nd. rock - Good grass

Township

Range

through Range 16 E

Meridian.

Chains

East, on a random line between Sections 13 and 24

31.15

To C.C. to Sec. 5 & 6 which is a post properly set and marked
variation East

from which a cottonwood 6 ins. in diam.

hrs. S. 24° N. 25 lbs dist. marked S. 20 N.

R. 15 E. Sec. 5 B. 5

a cottonwood 5 ins. in diam. hrs. S. 40 E.

25-lb dist. marked S. 20 N. R. 15 E.

S. 5 B. 5

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Upon which a cottonwood
1 ins. in diam. hrs. S. 71° 30' N. 16 lbs dist.
80.65

To the Standard Cor.

to hrs. 21 N. R. 15 and 16

E. which is a cottonwood

post 4 ins. or in a mound

of earth properly marked

as per instructions of old

manual with pits

N. E. and N. of post 6

ft. dist. dig pits and rebuild mound

From which a cottonwood

14 ins. in diam.

hrs. S. 64° E. 217 lbs dist.

Surface level

Soil 2nd. rate

Good grass

Chains

North, between Sections 13 and 14.

Variation

East.

I carefully re-annexed
the γ of instruments
of my Solar Compass
to-day particularly
the latitude and
re-annexing apparatus and
found them correct.

Sep. 21st. 1892.

For Final Oathes
see Book No. 20.

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U. S. Surveyor General's Office,
Tucson, Arizona, July 21, 1883

The foregoing Field Notes of the survey of the
Retracing of 5th Standard
through Range 16 East

of the Gila and Salt River Base and Meridian, Arizona,
executed by O. D. Wheeler,
D. S., under his contract of the 5th day of
August, 1882, having been critically ex-
amined and the necessary corrections and explanations
made, the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. N. Robinson
Surveyor General.