

Copies
Compared

No. 1458

Book No. 1.

Ind. 4 ed.

See Index

Field Notes

OF THE SURVEY OF BOOK 1458

the
4th Auxiliary Meridian
East Through
Tps. 20, 21 ^{and} 22 S. 1st
Range, 29 ^{and} 31 East

Gila and Salt River Base and Meridian

ARIZONA.

By Walter B. Neil D. S.

Under contract dated Oct. 1st 1883.

Survey commenced Nov. 1st 1883.

Survey completed Nov. 11th 1883.

No. 1458

1458

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A

BOOK 1458

20 Auxiliary E. thru Sp

21 S. R. 29-30 E.

Sp. 22 S. R. 29-30 E.

Sp 20 S. R. 29 30 E.

4th Auxiliary Meridian
East through

page

Sp 21 S; R's 29 and 30 East. 1

" 22 S; R's 29 " 30 " 11

" 20 S; R's 29 " 30 " 19

bet. R's 29 and 30 E.

Sp. 20 E.	Sp. 21 E.	Sp. 22 E.
1 26 6	1 2 6	1 11 6
12 26 7	12 3 7	12 12 7
13 24 18	13 5 18	13 13 18
24 22 19	24 6 19	24 14 19
25 21 30	25 7 30	25 15 30
36 19 31	36 9 31	36 17 31

Preliminary Oaths of Assistants.

1A

We William D. Shearer, Charles Read
 and John Woods and Augustus E. Kerig
 do solemnly swear that we will well and faithfully execute the
 duties of Chain Carriers; that we will level the chain over even
 and uneven ground, and plumb the tally pins, either by sicking
 or dropping the same; that we will report the true distance to
 all notable objects, and the true length of all lines that we assist
 in measuring, to the best of our skill and ability and in accord-
 ance with instructions given us in the survey of the exterior

and subdivision lines of Townships 16
 S. R. 31 E., 17. S. R. 31 E. - 20 S. R. 29. 31

and 32 E., 21 S. R. 30 and 31 E. and 29
 S. R. 29 E. - of Gila & Salt River

Base and Meridian Territory of Arizona.

John Woods William D. Shearer Chainman.
Chas. B. Read August E. Kerig Chainman.

Subscribed and sworn to before me, this 1st
 day of November 1883.

Walter B. Mill
 Notary Public.

We John A. Thomas and Leonard A. Campbell

do solemnly swear that we will well and truly perform the duties of Assessors

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 Extension and subdivision lines of Townships 16 S. R. 31 E. - 17 S. R. 31 East, 20 S. R. 29 31 ^{and} 32 E. - 21 S. R. 30 ^{and} 31 East & 22 S. R. 29 E of the Gila ^{and} Salt River Base ^{and} Meridian of the Territory of Arizona.

John A. Thomas Assessor
Leonard A. Campbell Assessor

Subscribed and sworn to before me this 1st day of November 1883.

Walter B. Mil. Notary Public.

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BOOK 1458

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

Charles Graser

Sworn to and subscribed before me this 1st

day of November 1883

Walter B. Mil

Notary Public

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

Sworn to and subscribed before me this

day of 188 .

Survey commenced Nov. 1st 1883.
Survey completed Nov 11th 1883.

The instrument which I used
in making ~~this~~ survey was
a Bunts ^{Patent} ^{improved} Solar Compass
nearly new ^{and} in first class
order made by W. and L. E.
Gurley of Troy New York
and was tested on the true
meridian at Tucson and
found correct.

4th Aux. Guide Meridian East through
Township 21 S. bet. Ranges 29-30 E. G. & S. R. 2W

I begin at the ^{stand} cor to Tps 20
S. Ranges 29 & 30 E. which is
a granite stone 12 x 14^{1/2} ins. set
firmly in the ground with mound
of stone alongside marked
S. 6. with 6 notches on N. E & W.

Edges

When I set off 4 2, 3 & 4 chs,
for Convergence. West of
Standard Sp. Cor. when I
set a Limestone 20 x 10 x 6 ins
15 ins. in the ground for
closing Cor. to Tps 21 South
Ranges 29 ~~and~~ 30 East.

4th Auxiliary Mer. E. through Sp 21 S.

marked C.C. with 6 notches
on N, S. & E. edges and raised
a mound of stone alongside
Pit impracticable

thence I run

2:00 South but Dec 16
Cor. 130 45' E.

Descend

5.20 Creek 10 lks wide, down S.E.
Thin spring of water 1 Ch.
E. Foundation of house, about
3. Ch. E, and

ascend

40.00 A Limestone 13 x 12 x 7 in
lies in the ground for 1/4
Sec. Cor, marked 1/4 on N. face
and raised a mound of stone
alongside. Pit impracticable

43.00 Top of ridge bears N.E. & S.W.
Descend

4th Ave. & Meridian E. through Sp. 21 S.

Chains

80.00 Let a Limestone 18x18x10 ins
12 ins. in the front for Cor to
Secs. 1-6-7-12 marked with
5 notches on S. and 1 notch
on N. Edges and raised
a mound of stone along side
Pits impracticable
Land very Mountainous
and Broken
Dirt & a rate
Thin oak timber

South let Secs 7 + 12

W. 13' 45' E.

Descending

5.00 Foot of Mt Ridge and ^{ascend} along
rough & broken N. W. Slope
of mesa

40.00 Let a Lava stone 16x15x8

4th Aux $\frac{1}{2}$ Meridian E. through Sp. 2, S.

Chow

is. 10 is. in the front for
 1/4 Sec. Cor. marked 1/4 on
 W. face and raised a
 mound of stone along side
 Pits impracticable

50.00 Top of Mesa brs. N. E & S. W.

52.00 Descending along slope but N. W. & E.
 68.00 ^{Foot of descent & ground}

72.00 Top of Mesa brs. N. E. & S. W.

80.00 Set a Lava Stone 16x14x8
 is. 11 is. in the front for Cor
 to Secs 7-12-13-18 marked
 with 4 notches on S. & 2 notches
 on N. Edges and raised
 a mound of stone along side
 Pits impracticable
 Found mountainous & broken
 Soil 4th rats

Some scattering timber

4th Aux^{ly} Meridian E. through T_p. 2, S.

Chains

South bet. Sics 13 and 18
Cor 14048' E.

Over level Mesa

8.00 To edge of Mesa and
along same to N + S.

18.00 Oak tree bet. W. 20 lks. dist.
Descend from Mesa to N. + S.E.

40.00 Set a Limestone 18 x 14 x 7 in
12 in in the front for 1/4 Sec
Cor marked 14 on N. face
and raised a mound of
stone along side
Pits impracticable

And along S. W. slope of Mth

70.00 Descend to Cañon Course S.

80.00 Set a Limestone 18 x 14 x 8 in
12 in. in the front for Cor
to Sics. 13-18-19-24 marked
with 3 notches on S. + N. edges
and raised a mound of

8/5

4th Aux^{ly} Meridian E. through T. 21 S.

Choin

Ston along side
 Pits impracticable
 Sand Mountainous & broken
 Soil stony, & a rate
 Good grass

South bet Sics 19 & 24
 for '12° 45' E.

- 4.00 Buck Creek 20 lks wide Course S.E.
- 20.00 Buck Creek 14 lks wide and fine
 stream of water, Course S.W.
- 36.00 Bend of Creek & water Course S.W.
- 40.00 Let a Lona Ston 16 x 13 x 12 ins
 11 ins in the joint for 1/4 Sec
 Or marked 1/4 on W. face
 and raised a mound of
 ston along side
 Pits impracticable
- 53.00 Water in Creek 70 lks

4th Aux^y Meridian E. through T. 2, S.

Chains

N. of line

67.00 Buck Creek Corner S. E.

72.00 As and abruptly from
Cañon Corner S. E.

80.00 Set a Lava Stone 18x14x12
ins. 12 ins. in the front for
Cor to Secs. 19-24-25-30
marked with 2 noches on S.
and 4 notches on N. Edges
and raised a mound of Stone
alongside.

Pit. Unpracticable

Stone broken and in deep

Cañon Area S. S. E

Soil 2⁵ x 3⁵ rate

Thin Grass

South bet. Secs 26 & 30

N or 12045'E.

4th Aux ^{by} Meridian E, through J. 21 S,

Chairs

Ascend abruptly

4.00 Leave Canon Cove S, over
broken & mountainous land

41.00 Let a Lava Stone 13x12x6
ins & ins. in the front for $\frac{1}{4}$
Sec. Cor. marked $\frac{1}{4}$ on W. face
and carried a amount of stone
alongside. Pit impracticable

5.00 Let a front ~~stone~~ stone 18x12x8 ins
12 ins. in the front for Cor to Secs
25-30-31-36 marked with
1 notch on S, & 5 notches on N
edges and carried a amount
of stone alongside

Pit impracticable

Land broken & mountainous

Soil & a Red

Some grass

4th Aux^{ly} Meridian E. through T. 21 S.

South Wh. Secs. 31-36

Cor. $120^{\circ}45' E.$

13.00 Descend ^{mountain} mesa bes N, W, + S. E

40.00 Set a Lava Stone $18 \times 14 \times 7$ ins $1 \frac{1}{2}$ ins. in the front for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on W. face and raised a mound of stone alongside. Pits impracticable

63.50 Revere to lks. wide Course S. E. Ascend

80.00 Set a granite stone $18 \times 12 \times 6$ ins $1 \frac{1}{2}$ ins. in the front for Cor W Tps 21 + 22 S. Range 29 + 30 E. marked with 6 notches on N. E. S. + W edges + raised a mound of stone alongside Pits impracticable

Land Mountainous, Soil $\frac{3}{5}$ rate + 4th note
Some Mesquite

Nov. 1st 1883

4th Auxiliary Meridian E. through Tps 22 S.

Ranges 29 and 30 E.

Chowin

From the cor to Tps 21 ^{and 22 S.}
R_g 29 ^{and 30 E.} Just established by me
South bet Sics 1-6

Cor. 120 48' E.

Over broken land

40.00 Set a granite stone 10 x 10 x 6
ins. 7 ins. in the front for
1/4 Sec. Cor. marked 1/4 on
N. face and raised a mound
of stone along side.
Pit. impracticable

50.00 Set a granite stone 10 x 10 x 10
ins. 10 ins. in the ground
for Cor. to Sics 1-6-7-12
marked with 5 notches on
S. and 1 notch on N. edges
and raised a mound of
stone along side.
Pit. impracticable
Soud rolling & broken
hills.

Soil 4th rate. Some grass

4th Auxillary Meridian E. through T, 22
S. .. R.S. 29-30 E.

South bet Secs 7 & 12
Cor. 120 25' E.

Over rolling land

40.00 Set a Lava Stone 13 x 8 x 8 in
8 ins. in the front for 1/4 Sec.
Cor. marked 1/4 on N. face
and raised a mound of
stone along yard.

Pits Unpracticable

57.00 Arroyo 150 lts wide Corner S. E.

70.50 Arroyo 100 lts wide Corner East
Junction of two arroyos about
6 Chrs. East

80.00 Set a Lava Stone 15 x 10 x 10
ins. 10 ins. in the front
for Cor to Secs 7-12-13-14
marked with 4 notches on S
and 2 notches on N. edges
and raised a mound of
stone along yard

4th Aux ¹⁴ Meridian E through T. 22 U.

Pits impracticable
 Level rolling & level
 Soil 4th caliche
 Some grass

South bet Secs. 13-15

Dir. 12° 45' E.

Over level Mesa

- 40.00 Set a Lora stone 17 x 13 x 10 ins
 8 ins. in the ground for 1/4 Sec. corner
 marked 1/4 on W. face and
 raised a mound of stone
 alongside. Pits impracticable
- 55.75 Airways 30 lbs mid. Corner S. E.
 and ascend along S. E. slope of
 Malpais Peak
- 65.00 Highest point and
 descend
- 80.00 Set a Lora stone 19 x 10 x 5 ins

4th Auxiliary Meridian E. through Sp. 22 S.

Chains

12 ins. in the ground for Cor & Sec
 13-18-19-24 marked with
 3 notches on S & N. edges and
 raised a mound of stones
 alongside. Pts impracticable
 Surface hilly and rolling
 Soil 3rd rate
 Good grass

South bet Secs. 19-24
 Cor. 12045' E.

Descending
 36.00 Enter denser Mesquite bro. N. W. SE.
 38.50 Cross 18 ft wide Course S. W.
 40.00 Set 6 front's stone 12x10x8 ins
 8 ins. in the ground for 1/4 Sec.
 Cor. marked 1/4 on N. face and
 raised a mound of stone
 alongside.
 Pts impracticable

4th Aug Meridian E. through T^o 225.

Chains

- 42.00 Same Arroyo 24 lks wide
Corner S. E.
- 57.00 Arroyo 40 lks wide Corner S. E.
- 80.00 Set a granite stone 18 x 10 x 7 ins
12 ins. in the ground for Cor to
Secs. 19-24-25-30 marked
with 2 notches on S. and 4
notches on N. Edges and
raised a mound of stone
alongside. Pits impracticable
Land rolling and hilly
Soil 4th rate
Never Mesquite and Cats claw
-

South lat. Secs 25 + 30

W. 120 45' E.

- 9.60 Road to N. E. and S. W.
- 19.00 Way work 180 lks wide
Corner S. E.

16
4th Auxiliary Meridian E. through J. 22 S.

chains

40.00 Set a granite stone 10x10x8 in
7 in. in the front for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on N. face
and raised a mound of stone
alongside. Pits unpracticable

80.00 Set a post $4\frac{1}{2}$ ft. long 4 in.
square with marked stone
12 in. in the front for Cor to
Secs. 25-30-31-36 marked
T, 22 S. Sec 30 on N. E,
R. 30 E. S. 31 on S. E.
R. 29 E. S. 36 on S. W. and
S. 25 on N. W. faces with
1 notch on S. and 5 notches
on N. edges. dug pits 18x18x12
in. in each Sec. $5\frac{1}{2}$ ft. deep
and raised a mound of earth
2 ft high $4\frac{1}{2}$ ft. base around post
Same level. Soil 3' cat
New Mesquite & Cato claw

4th Auxiliary Meridian E. through T. 22 S.

Choir

South bet. Secs. 31 and 36
 Var. $120^{\circ}45'$ E.

40.00 Set a granite stone $13 \times 13 \times 8$ in
 11 in. in the front for $\frac{1}{4}$ Sec Cor.
 marked $\frac{1}{4}$ on N. face, dug
 pit $18 \times 18 \times 12$ in N. & S. of stone
 $5\frac{1}{2}$ ft. dia and raised a
 mound of earth $17\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base along side.

54.00 Work 100 lts with
 Cross S. E.

80.00 Set a post $4\frac{1}{2}$ ft. long 4 in
 square, with marked stone
 12 in in the front for Cor to

T. 22 S. S. 31 on N. E.
 R. 30 E. S. 6 on S. E.

T. 23 S. S. 1 on S. W.

R. 29 E. Sec 36 on N. W face marked
 with 6 notches on each edge

4th Auxiliary Meridian E. 2nd Sp 22 S.

Chairs

Two pits $2\frac{1}{2} \times 1\frac{1}{2} \times 12$ ins
lengthwise on each line
 N. S. E & W. of post 6 ft
 dist. and raised a mound
 of earth 2 ft. high 5 ft
 diam around post, from which
 Round Lava Cone br. S. 70° E.
 High Peak of mountain br.
 N. 23° W.

Soil level

Soil 3^d rate

Went Mesquit & Cotocow

Nov. 1st 1883

4th Auxiliary Meridian E. through Tps 20 S.

Chorus

I begin at the Standard
Cor. to Townships 20- S.
R^d 29 + 30 E. which is a
granite stone 18 x 14 x 12 ins
set firmly in the ground

marked ^{S.C.} with 6 notches on

N. E. & W. sides
with a nail or spike alongside
them

North bet Sec. 31-36

Cor. 12-48' E.

Descend

16.30 Dry Creek 10 Mts. wide Cross E.

4th Auxiliary Meridian E. thro. J. 20 S.

chain

- 23.00 Enter bend of Arroyo Course
S. S. E.
- 26.00 Leave same Course S.
- 29.00 Trail ^{to} N. W & S. E. and
ascend
- 40.00 On Ruetter Mountain
Set a sand stone $20 \times 16 \times 10$ ins
15 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
N. face and raised a mound
of stone along side
Pits impracticable
- 50.00 Set a Limestone $15 \times 13 \times 7$ ins
10 ins. in the ground for Cor to
Secs. 25-31-31-36 marked
with 5 notches on N and
1 notch on S. Edges and
raised a mound of stone
along side
Pits impracticable
Surfac. mountainous and

4th Auxiliary Meridian E. through T^o 20 S.

hours

broken, Soil & rate
Scattering Mesquite

North bet Dies. 25 & 30
Var. 12° 48' E.

2.00 ^{to} Top of S. End of "Ruetters
Mountain" main Peak about
20. chs N. 20° W. when I offset
40.00 Chs. E. to avoid high
and inaccessible spur of
mountain

40.00 Set a Limestone 15 x 14 x 9 ins
10 ins. in the front for witness
Cpr. marked 1/4 S. W. C.
and along N. E. slope of
Ruetter mountain

Walk on offset line

4th Auxiliary Meridian E. through J/20 S.

Chouin

5000 Set a Limestone 24 x 13 x 12 ins
 15 ins. in the front for W.
 C. to sec 19-24-25-30
 marked with 4 notches on
 N + 2 notches on S. edges
 and carried a strand
 of stone along side
 Pt. impracticable
 Sand very mountainous
 and broken
 Soil + to eat
 Timber of Mesquite + Juniper

on offset line
 North, ~~thru~~ Sec. 19-
 cor. 120 + 8. E.

Along N.E. slope of mountain.
 Descending

40.00 Set a Limestone 24 x 13 x 10

4th Auxiliary Meridian E. through T_p 20 S.

choirs

was, 16 was in the front for
 1/4 Sec. Cor. marked 1/4 N.E. on
 N. face and raised a mound
 of stone alongside

Pits impracticable

47.00 Where I ran back to line

81.00 Set a Limestone 28 x 14 x 6

was, 16 was in the front for Cor

to Sec. 13-18-19-24, marked
 with 3 notches on N.E. edge, and raised
 a mound of stone alongside. Pits
 impracticable. ~~Not too far from~~

Surface very mountainous
 and broken.

Soil & its state

Some Oak & Mesquite

4th Auxiliary Meridian E. through Tps. 20 S.

Chain

North bet. Secs. 13 & 18

Cor. $12^{\circ} 48' E.$

Descending

18.00 Foot of mountain slope and
enter Rucker Cañon
Course S. E.

30.00 Dry Rocky Arroyo 80 Yds.
wide Course S. E.

37.00 Cross road bet. N. W. & S. E.

40.00 Set a Sunstone $10 \times 10 \times 7$ ins
6 ins. in the ground for $\frac{1}{4}$ Sec
Cor. marked $\frac{1}{4}$ on W. face
and raised a mound of
stone alongside.

Pit, impracticable

An oak 6 ins. diam ^{from which} bet. N. $46^{\circ} W.$ 56 lbs
dis. marked $\frac{1}{4}$ S. B. T.

An Oak 8 ins. diam. bet. N. $50^{\circ} E.$ 14 lbs diam
marked $\frac{1}{4}$ S. B. T.

50.00 Set a granite stone $14 \times 10 \times 10$
ins & ins. in the ground

4th Amphib. Meridian E. through Sp. 20 S.

Chairs

for cor to Sec 7-12-13-18
 marked with 2 notches
 on N and 4 notches on S.
 edges and raised a mound
 of stone alongside
 Pts. impracticable
 Land mountainous
 Soil 4th rate
 Dunes oak, Manzanita
 and Pinon brush

North bet Secs. 7 and 12
 Cor. $130^{\circ} 45' E.$

Coand gradually

40.00

Set a Limestone $10 \times 10 \times 7$ in
 @ vis. in the ground for $\frac{1}{4}$ Sec
 Cor. marked $\frac{1}{4}$ on N. face
 and raised a mound of stone
 alongside. Pts. impracticable

4th Auxiliary Meridian E. through Sp. 21 S.

Chain

50.00

Set a sand stone $15 \times 10 \times 8$
 ins. 10 ins. in the front for Cor
 to Des. 16-7-12 marked
 with 5 notches on S. and 1
 notch on N. Edge and
 raised a mound of stone
 alongside

Pits impassable

Very broken & mountainous

Soil 4th rate and stony

Some oak

brush

North lat. Des 1 and 6

Var. $12048' E.$

Ascending

40.00

Set a sandstone $28 \times 13 \times 12$
 ins. 15 ins. in the front for
 $\frac{1}{4}$ Des. Cor. marked $\frac{1}{4}$ on

4th Auxiliary Meridian E. through T. 20 S.

Choirs

N. face and raised a mound
of stone along side

Pit impracticable

High rocky Peak of mountains
between E. about 16 ch. dist

5700 Top of divide separating
White River on the North and
waters flowing into San Simon
Valley on S. W.

descend

8000 Set a sand stone 24-15 x 6 ins
18 ins. in the ground for Cor
to Tps. 19-20 S. Ranges
29 and 30 E. marked with
6 notches on N.S.E. & W. edges
and raised a mound of
stone along side

Pit impracticable from which
High Peak of Chira-Cathua
mountains lies, N. 5° W.

4th Auxiliary Meridian E. through T. 20 S.

Peak bis. N. $42^{\circ}30'$ E.

Small Peak at mouth of
Rickett Cañon bis. N. 58° W.

Very mountainous & broken

Soil & rate

Some Oak, mesquite and
Pine

Nov. 11th 1883

For final notes see Book No. 10.

No. 1458

U. S. Surveyor General's Office,

Tucson, Arizona, Mar 19. 1884

The foregoing Field Notes of the Survey of the

4th Meridian East
 Through Tps. 20, 21 & 22 South
 bet. Ranges 29 and 31 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by Walter B. Neil

Deputy Surveyor, under his contract of the 1st

day of October, 1883 having been

critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved

Royal Johnson
 Surveyor General.