

No. 2.

BOOK 1500

copied

See Index
Field Notes

~~1500~~ 1500
OF THE SURVEY OF THE

P-1

1500

A portion of the Exterior
lines

-OF- BOOK 1500

Townships 19 & 20 S. Range 13 E.

Gila and Salt River Base and Meridian

1500
ARIZONA.

By Lewis Wolfley D.S.

Under contract dated Apr 11- 1885.

Survey commenced May 19th 1885.

Survey completed May 20th 1885.

See "Canoa" Notes for Recovery T. 18 & 19 N. R. 1

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BOOK 1500

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12 29 7

S. 19 S., R. 13 E. 13 31 18

24 32 19

25 34 30

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12 11 7

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24 7 19

25 6 30

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East bdy of Tp. 20 S. R. 13 E.
Pages 3 to 15

North bdy of Tp. 20 S. R. 13 E.
Pages 16 to 27

East bdy of Tp. 19 S. R. 13 E.
Pages 27 to 36.

For preliminary baths and
description of instruments
see book No. 1.

East body of Tps. 20 S. R. 13 E.

Chains

Beginning at the Stand Cor. to
Tps 20 S. R. 13 & 14 E. which is a
Granite Stone 16x10 ins. above the
ground properly notched and a
mound of Stone along side.

From North bet Secs. 31 & 36
Var. 12' 9" E.

Ascent gradually

- 5.00 Top of ridge bears E & W. and
descend slope at an angle of 12°
- 13.00 Foot of slope & Cross dry Wash
Course W. and ascent slope
at an angle of 10°
- 17.00 Top of slope and descend
- 24.00 Cross dry Wash Course W.
and ascent slope at an
angle of 8°
- 40.00 After making the correct allowance

East bdy of Tr. 20 South

Chains	
40.00	Set a Granite Stone 17x9x6 ins. 12 ins. in the ground for $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on N. face and raise a mound of Stone alongside. and continue to ascend slope at an angle of 8°
49.00	Top of slope and descend abruptly 40° slope
50.00	Cross dry wash, foot of slope, Course N. and ascend slope at an angle of 35° .
53.00	Top of slope
53.50	Descend slope at an angle of 45°
55.00	Foot of slope and cross dry wash Course S.W.

Range 13 East

Chains

57.00 Ascend slope at an angle of 45°

60.00 Top of slope and descend at
an angle of 5°

69.30 Cross old road bears E & W,
and ascend gradually

72.00 Cross dry wash course W.

80.00 After making the correct allow-

ance, I set a Volcanic Stone

$20 \times 12 \times 12$ ins. 14 ins. in the

ground, for Cor. to Secs. 25, 3

31 & 36. Marked with 1 notet

on the S. and 5 notet

on the N. edges, and raised a

ground of Stone alongside

Surface Mountainous

Soil 4' rate

No grass

Scattering trees along washes

East bdy of T_h. 20 South

Chains

Norths bet. Decs. 25 + 30

va 12° 9' E.

Over broken ground

39.00 Cross dry Rock Course W.

40.00 At a Line Stone 13x9x8 ins

7 ins. in the ground for $\frac{1}{4}$
Dec. Cor. Marked $\frac{1}{4}$ on W.
face, and raised a Mound
of Stone along side, and
continue to ascend over
broken ground.

50.00 Set a Line Stone 18x10x6 ins.

12 ins. in the ground for Cor.
to Decs. 19, 24, 25 + 30. Marked
with 2 Noteters on S. and 4
Noteters on N. edges, and raised a
Mound of Stone along side,
from which.

BOOK 1500
Range 13 East

Chains

A Mesquite tree 6 ins. in diam.
bears N. 30° E. 95 links. dist.
Marked S. 20 P. R. 14 E. S. 19. B. T.

Surface rolling

Soil 4th rate

Grass fair

Scattering brush

North beh. Dec. 19024

Var 12° 9' E.

Over broken ground

30.00 Cross dry Wash Course W.

34.00 Cross deep dry gulch 4 chains
wide Course W.

38.00 ^{from gulch}
40.00 Set a Granite Stone 18x16x8 ins
12 ins. in the ground for 1/4 Sec
Cor. Marked 1/4 on N. face and
raise a mound of Stone alongside

East bdy of Tr. 20 South

Chains

- 57.00 Cross dry Wash Course N.
and ascend slope at an
angle of 12°
- 70.00 Top of Slope and descend
- 80.00 After making the correct allowance
I set a Granite Stone $18 \times 14 \times 12$
ins. 12 ins. in the ground for
Cor. to Secs. 13, 18, 19 & 24.
Marked with 3 notches on
N. & S. edges and raised
a mound of stones along-
side.

Surface Mountainous 23 chs

" rolling 57 "

Soil 4" rate

Grass fair

Scattering brush

Range 13 East

Chains

North bet. Decs. 13 + 18

Va $12^{\circ} 9' E.$ Over broken ground and along
West Slopes of Santa Rita
Mountains.4.00 Cross dry Wash Course N.
and ascent rough Lime Stone
Ridge at an angle of 5° 30.00 Cross dry Wash Course N.
and ascent a rough Lime Stone
ridge at an angle of 20° 35.00 Top of Ridge bears E. & W. and
descent gradually40.00 After making the correct allowance
I set a Lime Stone $14 \times 12 \times 8$ ins.
pins in the ground for $\frac{1}{4}$ Sec
Cor. Marked $\frac{1}{4}$ on N. face and
raised a mound of Stone alongside.

East body of Sp. 20 South

Chains

- Just North of a Trail.
- 52.00 Cross Wash Course N.
- 69.00 Cross dry Wash Course N.
- 80.00 Set a Quartz Stone 16x12x6
ins. thick. in the ground, for
Cor. to Deco 7, 12, 13 + 18 Mark
with 4 notches on S. and
2 Notches on N. edges and
raise a Mound of Stone along-
side. from which
a Palo Verde Tree 6 ins in diam.
bears N. 25° E. 100 lks dist
Marker S. 20 S. R. 14 E. P. 7. B. T.
- A Mesquite Tree 8 ins in diam
bears N. 10° W. 250 lks dist.
Marker S. 20 S. R. 13 E. P. 12
B. T.
- Surface Mountainous 40 lks.

Range 13 East

Chains

Surface rolling 40 Chrs
 Soil H rate
 Grass fair
 Scattering brush

North bet Secs 7 & 12
 Va. $12^{\circ} 9' E.$

- 13.00 Cross dry wash Course W.
 and ascent slope at an
 angle of 15°
- 20.00 Top of slope and descent
 at an angle of 18°
- 27.00 Cross dry Wash Course West
 and ascent slope at an
 angle of 18° .
- 40.00 Set a Granite Stone $14 \times 12 \times 10$
 ins. 9 ins in the ground

East bdy of T_h. 20 South

chains

for $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$
on N. face, and raised
a mound of stones along-
side and continue to
ascend slope at an
angle of 18° .

48.00 Top of slope and descent
along steep N. slope

70.00 Descent slope at an
angle of 25° bears N.W. + S.E.

76.00 Foot of slope and cross
dry wash course N.W. and
ascend at an angle of 25°

80.00 After making the correct allowance
I set a granite stone $24 \times 8 \times 8$ ins
16 ins. in the ground for Cor.
to Secs. 1, 6, 7 + 12, marked with
5 notches on S. and 1 notch

Range 13 East

Chains

on N. edges, and raised a
mound of stones alongside.

Surface Mountainous

Soil 4 rate + rocky

Grass fair

Scattering brush

North bet. Secs 1 + 6.

va $12^{\circ} 9' E.$

Ascent along steep S.W. Slope

16.00 Cross low divide of high
Spur bears N.W. + S.E. and
descent along steep + rocky
N.E. Slope. at an angle of 15°

40.00 Face of Cliff bears N. + S. which
after making the corner allowance
I mark with a cross (+) at
exact cor point and $\frac{1}{4}$ W. of
cross for $\frac{1}{4}$ sec. cor. and raised a

East bdy of T_p. 20 South

Chairs

73.00

80.00

Mound of Stone alongside ^{and} ^{continuing to descend at angle of 15°}
Leave Mountainous Country
and descend gradually to Mesa
after making the corner allow-
ance I set a Granite Stone $24 \times$
 10×8 ins. 16 ins in the ground for
Cor. to T_ps 19 + 20 S. R_s. 13 + 14 E.
Marker with 6 notches on each
edge and raised a mound
of Stone alongside
A. prominent Peak of the
Santa Rita Mountains bears East.
The West high Peak of the
Santa Catalina Mountains
bears N. $8^{\circ} 50' E$.
A Turret Peak West of San
Xavier bears N. $23^{\circ} W$.
Surface Mountainous

Range 13 East.

Chains

Soil 4" rate
Grass fair
Scattering brush

This line is along the West slopes of the Santa Rita Mountains and the surface is badly broken.

Along the washes there is a fair growth of Mesquite and a few other trees.

Scattering Cacti, Ocotillo and other brush.

There was no water in any of the washes.

North bdy of Tps. 20 South

Chains

From the Cor. to Tps. 19 + 20 S. Rs. 13 + 14
E. just established by me - I
ran West on a random
line - Va. $12^{\circ} 15' E$.
Setting temporary $\frac{1}{4}$ and
Sec. Cors. at every 40 + 80
Chains, and at 5 miles
and 79.90 Chs. I arrive
at a point 25 links N.
of the Cor. to Tps. 19 + 20 S.
Rs. 12 + 13 E. recently es-
tablished by me.

Thence I run N. $89^{\circ} 58' E$.
on a true line bet.
Secs 6 + 31. Va. $12^{\circ} 15' E$,

18.90 Cross road Tucson to Tucson bears
N. + S.

19.90 Enter dense brush

Range 13 East.

Chains

39.90 Set a Post 3 ft. long 3 ins sq. with
marked stone, 12 ins. in the ground
for $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on N.
face. dug pits 18x18x12 ins E. & W.
of post $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base around post. from which
A Mesquite Tree 14 ins. in diam bears
^{514 yd}
5 lks dist. Marked $\frac{1}{4}$ S. B.T.

A Mesquite Tree 30 ins. in diam bears
N.E. 15 lks. dist. Marked $\frac{1}{4}$ S. B.T.

7090 Leave dense brush

79.90 Set a Post 4 ft. long 4 ins. sq with
marked stone 12 ins in the ground for
Cor. to Secs. 5, 6, 31 + 32 Marked
T. 19 S. R. 32 on the ~~on~~ N. E. R 13
E. S. 5 on S. E. - T. 20 S. R. 6 on S. W.
and S. 31. on N. W. faces, with 1 note

North bdy of Tr. 20 South

Chairs

on N. and 5 notches on E. edges
dug pits $18 \times 18 \times 12$ ins. in
each dir. $5\frac{1}{2}$ ft. dist and
raised a mound of earth 2 ft.
high, $4\frac{1}{2}$ ft. base around
post.

Surface rolling
Soil 4th rate

Grass poor

Dense brush 5/1 Chs.

Scattering " 28.90

N. $89^{\circ} 58' E.$ on a true line
bet bees. 5. + 32.

N. $12^{\circ} 15' E.$

22.50

Cross Santa Cruz river @ N.

31.50

Cross road bears N. + S.

Range 13 East

Chains

- 35.50 Leave Santa Cruz river bottom
- 40.00 A Mesquite tree 8 ins. in diam
which I mark $\frac{1}{4}$ Sec. N. face, for
 $\frac{1}{4}$ Sec. Cor. and raised a mound
of stones around tree.
- 43.00 Cross dry Wash Course N.W.
and ascent over rolling ground
- 80.00 Set a Granite Stone $18 \times 8 \times 6$ ins
12 ins. in the ground for Cor
to Secs. 4, 5, 32 + 33. Marker M
2 notches on W. and 4 notches
on E. edges, and raised a
mound of stones alongside,
from which
A Mesquite tree 10 ins. in diam
bears S. 55° N. 60 lks dist.
Marker T. 20 S. R. 13 E. S. 5. B. T.
Ortes ranch bears N.E. about 20 cks

North body of Tr. To South

Chains

dist. from the $\frac{1}{4}$ Cor.

Surface rolling

Soil 9^d rate

Grass poor

Scattering Mesquite trees along Washes-

N. $89^{\circ}58'$ E. on a true line bet.

Secs. 4 + 33.

N. $12^{\circ}15'$ E.

4000 Set a Granite Stone $22 \times 16 \times 10$ ins.

17 ins. in the ground for $\frac{1}{4}$ Sec.

Cor. Marked $\frac{1}{4}$ on N. face dug
pits $18 \times 18 \times 12$ ins. and E. & N. of

Stone $5\frac{1}{2}$ ft. dist. and raised a

Mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base alongside -

$\frac{1}{4}$ Cor. on East Foot of bank

4500 Cross dry Wash Course N.W.

Range 13 East

Chains

2 chs wide

64.50 Cross dry wash course N.W.,
1 ch. wide

80.00 Set a Granite Stone $16 \times 10 \times 8$ ins.,
11 ins. in the ground, for Cor.
to Secs. 3, 4, 33 + 34 marked with
3 notches on the E. & W. edges,
and raised a mound of stone
alongside. from which
a Palo Verde Tree 8 ins. in diam.
bears S. 65° E. 110 lks. dist.

Marked T. 20 S. R. 13 E. O. 3, P. T.

A Mesquite 10 ins. in diam.,
bears O. 45° W. 75 lks. dist.

Marked T. 20 S. R. 13 E. O. 4, P. T.

Surface rolling
Soil 4th rate
Grass poor

North bdy of T_p. 20 South

Chains

Mesquite Trees along the
Washes.

N. $89^{\circ}58'E$. on a true line
bet. Decs. 3 + 34

Va. $12^{\circ}15'E$.

- 3.25 Cross road bears N. N. W. S. E.
- 27.75 Cross dry Wash Course N. W.
- 40.00 Set a Volcanic Stone $14 \times 10 \times 10$
ins. qu. in the ground for
 $\frac{1}{4}$ Dec. Cor. Marked $\frac{1}{4}$ on
N. face, and raised a
Mound of Stone alongside.
- 48.50 Cross dry Wash Course N. W.
1 ch. wide, and ascend
over rolling ground.

BOOK 1940
Range 13 East

Chains

80.00

Set a Granite Stone 22 x 8 x 8 ins.
15 ins. in the ground for Cor. to
Secs. 2, 3, 34 + 35. Marked with
4 notches on the N. and 2 notches
on the E. edges and raised
a mound of Stone alongside
Surface rolling
Soil 4th rate
Grass poor
Scattering brush

N. 89° 58' E. on a true line bet.
Secs. 2 + 35.

Val 12° 15' E.

12.50

Large Monument of Stone, with-
out Mark, bears N. 60 links
dist. from this point.

North bay of Tp. 20 South

Chains

- 36.00 Support to be the old S.E. Cor.
of the Canoa Land Claim
Cross dry Wash Course N.W.
- 40.00 Set a Volcanic Stone $14 \times 10 \times 6$ ins
9 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. Marker $\frac{1}{4}$ on N. face
and raised a mound of stone
alongside.
- 53.00 Cross dry Wash Course N.W.
- 77.00 Cross dry Wash Course N.W.
- 80.00 Set a Granite Stone $16 \times 8 \times 8$ ins.
11 ins. in the ground, for Cor. to
Secs. 1, 2, 35 & 36, marker with
5 notches on W. and 1 notch
on E. edge and raised a mound
of stone alongside.
- Surface rolling
Soil 4 rate

Range 13 East

1500

Chains

grass poor
Scattering brush

N. $89^{\circ}58'E$. on a true line bet
Dees 1036.

Va, $12^{\circ}15'E$.

Descent gradually,

20.00 Cross dry Wash Course N.W.

35.50 Along dry Wash Course N.W.

40.00 Set a granite Stone $14 \times 8 \times 6$ ins. 9 ins.

in the ground for $\frac{1}{4}$ Sec. Cor.
Market $\frac{1}{4}$ on N. face. and raised
a mound of stones alongside.

$\frac{1}{4}$ Cor. on North bank of dry Wash

60.00 Leave dry Wash Course N.W.
and ascent gradually

72.00 Top of Slope and descent
gradually

133
North body of Twp. 20 S., R. 13 E.

Chains
50.00

The Cor. to Tps. 19 + 20 S.
Rs. 13 + 14 E. from which
I started.

Surface Mountainous
Soil 4th rate rocky
Scattering brush

The surface of this line is rolling except the last mile which is mountainous. The township gradually descends toward the Santa Cruz Valley East of the Santa Cruz being from the West slopes of the Santa Rita Mountains. The grass is very poor and the soil rough rocky.

East bdy of Tps. 19 S. R. 13 East.

Chains

I carefully examined the adjustments of my Transit today and found them to be correct.

May 19th 1885.

From the Cor. to Tps. 19 & 20 S.
Rs 13 & 14 E. previously established by me. I ran North on a random line through the Tⁿ. setting temporary $\frac{1}{4}$ and Sec. Cons. at every 40 and 80 chains and at 5 miles and 75.48 chains. I arrive at a point 16 links East of the Cor. to Tps. 18 & 19 S. Rs. 13 & 14 East, which is

East bdy of Twp. 19 South

Chains

a Post in Mound of earth
properly marked, and with
pits of required size.

Thence I run

No. 1 E. on a true line bet.
Secs. 1 & 6.

to $12^{\circ} 9' E.$

9.48 Cross dry wash Course W.

34.48 Cross dry wash Course W.
on Chain Wide -

35.48 Set a Granite Stone $18 \times 10 \times 9$ inches
12 ins. in the ground for $\frac{1}{4}$
Sec. Cor. Marked $\frac{1}{4}$ on W. face
and raised a mound of stone
alongside

75.48 Set a Quartz Stone $20 \times 12 \times 10$ inches
14 ins. in the ground for Cor. to

Range 13 East

Chains

Secs. 1, 6, 7 + 12 marked with 1 notch
on N. and 5 notches on S. and raised
a mound of stones alongside.

Surface level

Soil 4² rate

Grass fair

Scattering brush

S. o. 1' E. on a true line bet.
Secs 7 + 12.

W 12° 9' E,

14.00 Cross old road bears N. 2.1 S. 4
Leave level land and over ^{surface} rolling

16.00 a Corral bears West 7 Chs. dist.
from this point.

17.00 Cross dry wash course W. W.

20.00 Cross dry wash course West

East bdy of Tp. 19 South

Chains

40.00 Set a Granite Stone $18 \times 12 \times 12$ ins. 12 ins. in the ground for $\frac{1}{4}$ Dec. Cor. Marker $\frac{1}{4}$ on N. face, and raised a mound of Stone alongside.

58.00 Cross dry Wash Course Mat

80.00 Set a Quartz Stone $14 \times 14 \times 8$ ins. 9 ins. in the ground for Cor. to Decs. 7. 12. 13 + 18 Marker with 4 notches on S. and 2 notches on N. edges, and raised a mound of Stone alongside from which

A Palo Verde Tree 6 ins. in diam bears N. 28° W. 80 links dist. Marker T. 19 S. R. 13 E. Q. 12 B. T.

Surface rolling

Range 13 East

Chains

Soil 4th rate
Grass poor
Scattering brush

S. 0.1' E. on a true line bet.
Secs. 13 & 18.

Var. $12^{\circ} 9' E.$

- 10.00 Cross dry Wash Course N.W.
40.00 Set a Granite Stone $15 \times 13 \times 9$ ins.
9 ins. in the ground for $\frac{1}{4}$ Sec.
Cor. Marker $\frac{1}{4}$ on N. face,
and raised a mound of stone
alongside.
- 43.00 Cross dry Wash Course N.W.
48.50 Cross dry Wash Course N.W.
70.00 Cross dry Wash Course N.W.
80.00 Set a Granite Stone $16 \times 12 \times 9$ ins.

East bdy of Tr. 19 South

Chains

S. $01^{\circ} E$. on a true line bet.
Secs. 25 + 30.

Va. $12^{\circ} 9' E$.

15.00 Cross was bears E. W. and
over level land.

40.00 Set a Granite Stone $15 \times 9 \times 6$ ins.
give in the ground for $\frac{1}{4}$ sec.
Cor. Marked $\frac{1}{4}$ on W. face and
raised a mound of Stone
alongside.

65.00 Cross dry hole 2.50 Chs. wide
Course N. W. and over
rolling ground.

80.00 a Quartz Stone in place, 30×30
ins. above the ground. Which
I mark with a cross (+) at
exact Cor. point. for Cor.

Range 13 East

1500

Chains

to Decs. 25, 30, 31 + 36. Marked
with 1 notch on S. and 5 notches
on N. edges, and raised a
mount of stone alongside.

Surface mostly level

Soil 4 rate

Grass fair

Scattering brush

D. 0° 1' E. on a true line bet.
Decs 31 + 36.

Na. 12° 9' E.

38.75 Cross Wash Course N.
40.00 Set a granite stone 16 x 16 x 10
ins. 17 ins. in the ground
for $\frac{1}{4}$ Dec. Cor. Marked $\frac{1}{4}$
on N. face and raised

East bdy of Tps. 19 S. R. 13 East

Chains

a mound of stone along-
side, and ascent along
side of dry wash.

50.00

The Cor. to Tps. 19 + 20 S. Rs
13 + 14 E. from whence I
started.

Surface rolling
Soil 4th rate
Grass poor

The surface of this line
is mostly rolling, grass
fair, and soil 3rd to 4th rate
with scattering trees and
brush ^{along} in the northern
part of the line.

For final oaths see book
No. 4.
May 20th 1885

— " —

U. S. Surveyor General's Office,

Tucson, Arizona, Nov 4th 1885

The foregoing Field Notes of the Survey of the

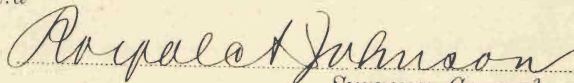
a portion of the exterior

lines of Tps 19 & 20 S. R. 13 E

Of the Gila and Salt River Base and Meridian, Arizona, executed by Lewis Wolfley

Deputy Surveyor, under his contract of the 11th day of April, 1885, having been

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


 Surveyor General.