

W. and E. Bdy. T. 19 N. R. 6 E
E. W. and S " T 19 N. R. 3 E

Book "A"

W. O. Secor
Contract #102

May 1903

BOOK 1418

1418

No. 1418

4-671

FIELD NOTES
GENERAL LAND OFFICE.

The E. Bdy. T 19 N R 3 E was also
surveyed by Alfred Barry
& Perkins. (see this page)

See N 66 Bdy T 19 N R 6 E, surveyed
by Alfred Barry (this page)

See E. Bdy T 19 N R 2 E. by Alfred
Perkins. (this page)

Township 19 N Range 6 E

BOOK 1418 County, _____

NORTH

	6	5	4	3	2	1
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24

WEST EAST

BOOK 1418

Township 19 N Range 3 E

County, _____

NORTH

	6	5	4	3	2	1
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

WEST EAST

SOUTH

No. 1418

BOOK 1418

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Field Notes
of the Survey of the
Exterior Limits
of
Townships N^o 19 N. R. 6 E. ^{q/4}
Township N^o 19 N. R. 3 E.
of the
Gila ^{q/4} Salt River Base ^{q/4} Meridian
in the
Territory of Arizona
as surveyed by
W. Oscar Secor,
U.S. Deputy Surveyor,
under his contract N^o 102,
Dated June 30, 1902.

Survey commenced Sept. 17, 1902

Survey completed May, 20, 1903

E. Bdy. T. 19 N. R. 6 E.

BOOK 1418

Sept. 17: At 8⁴⁵ a.m. l.m.t.
 I set off 2°30' N. on the decl.
 arc; 35°04' N. on the lat. arc;
 and determine a true meridian
 with the solar at the cor. of
 secs. 6 & 7 on the E. b'dy.

Thence I run

N. 13°38' W. on W. b'dy, sec. 6

40.00

The $\frac{1}{4}$ sec. cor. Thence

N. 17°51' W.

24.69

The cor. of Tps. 19 & 20 N. Rgs.
 6 & 7 E. bears S. 72°09' W. 31 lks
 dist. which makes the true
 bearing of the last half
 mile N. 17°08' W.

N. Bdy. T. 19 N. R. 6 E⁵

BOOK 1418

From the 1/4 sec. cor. on N. bdy, sec. 3, T. 19 N. R. 6 E.
Run N. 88° 21' E. on a random line equal
79.87 chs. the 1/4 sec. cor. on N. bdy, sec. 2.

From the 1/4 on the N. bdy.
sec. 2 T. 19 N. R. 6 E. which
is a malpais 6x10x9 ins
above ground marked and
witnessed as described by
the Surveyor General, & run
S. 88° 21' W. on S bdy, sec. 35

Over mountainous land,
through dense pine and
oak timber and brush.

Descending diagonally

11.70 Gulch from W. to N. E.

22.20 Leave gulch from S. W. to E.
Ascend steep slope of high
mesa.

39.93 Set a malpais 18x12x12 ins.
in a md. of stone for cor.
of secs 34 & 35 marked with
2 notches on E. and 4 notches

on W. edges, from which
An oak 8 ins. diam. bears
N. 19° E. 52 lks. dist. marked
T. 20 N. R. 6 E. S. 35 B. T.

An oak 10 ins. diam. bears
N. 19° W. 54 lks dist. marked
T. 20 N. R. 6 E. S. 34 B. T.

Land mountainous 39.93 cho.

Dense pine & oak 39.93 cho.

Soil 4th rate

Sept. 17-1903

E. Bdy. T. 19 N. R. 2 E.

BOOK 1418

1903
 May 15: At 7^h. a. m. l. m. t.
 A set off $18^{\circ}41'$ N. on the decl.
 arc; $35^{\circ}01'$ on the lat. arc, and
 determine a true meridian with
 the solar at the cor. of secs.
 19, 24, 25 & 30 on the W. b'dy,
 which is a limestone in a
 md. of stone marked and
 witnessed as described by the
 Surveyor General.

Thence I run

S. on W. b'dy. sec. 30.

- | | |
|-------|-------------------------------------------------------------|
| 0.10 | Gulch, course S.E. ascend |
| 5.00 | Top of bank of gulch |
| 22.70 | Edge of bluff of cañon, bears
E. & W. descend abruptly |
| 23.70 | Bottom of cañon, 100 ft. deep,
course E. ascend abruptly |
| 25.75 | Top of bluff S. side. |

E. Bdy. T. 19 N. R. 2 E.

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BOOK 1418

40.00 The $\frac{1}{4}$ sec. cor., an undersized stone with no bearing trees, I reestablish this cor. at same point by setting an igneous rock $16 \times 12 \times 8$ ins. in a md. of stone for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, from which
An oak 6 ins. diam. bears S. 16° E. 118 lks. dist. marked $\frac{1}{4}$ S. 30 B. T.
An oak 14 ins. diam. bears N. 4° W. 168 lks. dist. marked $\frac{1}{4}$ S. 25 B. T.
Thence I run S. on a blank line

131.00 Intersect N. bdy. Twp. 18 N. R. 2 E. 23.25 chs. E. of cor. of secs. 2 & 3.

Sandstone
Set a ~~S.S.~~ $28 \times 16 \times 6$ ins. in a

E. Bdy. T. 19 N. R. 2 E
 BOOK 1418

md. of stone for cor. of Tps
 19 N. R. 2 & 3 E. marked with
 6 notches on N. & N. edges,
 from which

A cedar 4 ins. in diam. bears
 N. 57° E. 81 lks dist. marked
 T. 19. N. R. 3 E. S. 31 B. T.

A cedar 4 ins. diam. bears
 N. 52° W. 68 lks dist. marked
 T. 19 N. R. 2 E. S. 36. B. T.

Thence I run

N. bet. secs 31 & 36

Over mountainous land,
 through dense brush.

23.00

Foot of volcanic butte,
 ascend abruptly

25.00

Top of butte around the top
 of which is an ancient wall
 of rock about 8 ft. thick.

E. Bdy, T. 19 N. R. 2 E. "

BOOK 1418

Descend abruptly.

26.00 Foot of butte, continue to descend

35.00 Ravine course S. W.

40.00 Set a ~~stone~~^{sandstone} $22 \times 12 \times 6$ ins in
a md. of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face, and
raised a md. of stones 3 ft.
base, $3\frac{1}{2}$ ft. high W. of cor.

49.00 Gulch course S. W.

80.00 Set a lime stone $30 \times 14 \times 8$ ins.
in a md. of stone for cor. of
secs. 25, 30, 31 & 36 marked with
1 notch on S. and 5 notches on
N. edges.

Land mountainous 80 chs.

Dense brush 80 chs.

Soil 4th rate.

	N. on W. b'dy. sec. 30.
10.40	Top of rim of mesa bears E. & W.
41.00	Descend to ravine
44.00	Bottom of ravine, course N.E. ascend
49.30	Top of bank of ravine
51.00	The $\frac{1}{4}$ sec. cor. on W. b'dy. sec. 30.
	Land mountainous 51 chs.
	Soil 4 th rate

May 15 - 1903

S. Bdy. T. 19 N. R. 3 E.

BOOK 1418

May 16: At 7^h a. m. l. m. t.
I set off 18° 55' N. on the decl.
arc; 34° 59' N. on the lat. arc,
and determine a true meridian
with the solar at the cor. of
Tp. 19 N. R. 2 & 3 E.

Thence I run

E. on a blank line along S.
bdy. of Tp. 19 N. R. 3 E. setting
temp. $\frac{1}{4}$ sec. & sec. cors. at
intervals of 40 chs. and at
471.25 chs. I fall 5.78 chs S
of the cor. of Tp. 19 N. R. 4 E.

Set a ^{sandstone} s.s. 20 X 10 X 10 ins 12 ins.
in ground for cor. of Tp. 19
N. R. 3 E. marked with 6 notches
on W. and N. edges, from
which

A piñon 16 ins. diam. bears

S. Bdy. T. 19 N. R. 3 E.

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BOOK 1418

N. 79° W. 309 lks. dist. marked

T. 19 N. R. 3 E. S. 36 B. T.

No other tree in dist.

Thence I run

W. on a true line on S. bdy.

sec. 36.

Over mountainous land,
through dense brush

12.00 Gulch, course S.

20.00 Gulch, course S. E.

40.00 Set a sandstone $24 \times 10 \times 5$ ins.
in a md. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,

from which

A cedar, 14 ins. diam. bears

N. $33^{\circ} 30'$ E. dist. 70 lks. marked

$\frac{1}{4}$ S. 36 B. T.

No other tree in dist.

62.00 Gulch, course S. 75° E.

80.00 Set a sandstone $18 \times 10 \times 8$ ins.
in a md. of stone for cor.

S. Bely. S. 19 N. R. 3 E.
BOOK 1418

of secs. 35 & 36 marked with
1 notch on E. and 5 notches on
N. edges, pits impracticable.
No trees in limits.

Land mountainous. 80 chs.
Dense brush 80 chs.

May 16 - 1903

May 17: At 7^h a. m. l. m. t.
 I set off $19^{\circ}09'$ N. on the decl.
 arc; $34^{\circ}59'$ N. on the lat. arc;
 and determine a true meridian
 Thence I run
 W. on a true line on S. b'dy.
 sec. 35

- 2.20 Gulch course S.
 17.00 Gulch course S. W.
 29.00 Descend to gulch
 34.50 Gulch from W. to S. E.
 40.00 Set a ^{sandstone} ~~stone~~ $16 \times 14 \times 5$ ins. in a
 md. of stone for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on N. face, from which
 A yew 10 ins diam. bears
 N. 50° W. dist. 54 lks. marked
 $\frac{1}{4}$ S. 35° B. T.
 50.00 Leave gulch, ascend spur.
 77.59 As the proper point for cor.

comes in an insecure place.
I set a sandstone $16 \times 10 \times 6$ ins.
in md. of stone for witness
cor. to secs. 34 & 35, marked
W. C. with 4 notches on W. &
2 notches on E. edges.
Pits impracticable.
Land mountainous 80.00 chs.

W. on S. b'dy. sec. 34.

Over mountainous land,

through dense brush, ascending

12.00 Top of bluff of spur, bears N. & S.

23.00 Descend from spur.

40.00 Set a ^{sandstone} ~~stone~~ 22 x 11 x 5 ins. in
md. of stone for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face, from which

A yew 7 ins. diam. bears

N. 60° E. dist. 42 lks, marked
 $\frac{1}{4}$ S. 34 B.T.

47.00 Gulch, course N. 15° E.

59.70 Gulch, course N. ascend ridge.

63.80 Top of ridge bears N. & S.

70.00 Descend from ridge.

78.00 Gulch course N. 10° E.

80.00 Set a sandstone 20 x 12 x 6 ins.
in a md. of stone for cor. of
secs. 33 & 34 marked with

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3 notches on E. & W. edges, from
which

A yew 12 ins. diam. bears
N. 6° W. dist. 20 lks. marked
T. 19 N. R. 3 E. S. 33 B. T.

A yew 10 ins. diam. bears
N. 40° E. dist. 22 lks. marked
T. 19 N. R. 3 E. S. 34 B. T.

Land mountainous 80 chs.

Dense brush 80 chs.

Soil 4th rate.

W. on a true line on S. l'dy.
sec. 33.

Over mountainous land,
through dense brush and
scattering ferns.

- 8.00 Gulch, course N. 15° E. ascend.
- 21.80 Top of bluff bears N. & S.
- 28.00 Descend from bluff
- 33.00 Gulch 200 ft. deep, course N. E.,
ascend abruptly
- 40.00 The place for $\frac{1}{4}$ sec. comes
in unsafe place, so I continue to
- 42.00 Top of bluff. Set a sandstone
24 x 20 x 5 ins. in md. of stone
for witness cor. marked W. Co.
 $\frac{1}{4}$ on N. face.
- Pits impracticable. No trees.
- 64.00 Edge of bluff, bears N. E. & S. W.
descend

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- 71.00 Bottom of gulch 150 ft. deep,
course N.E. ascend
- 80.00 Set a sandstone 20x10x5 ins.
in a md. of stone for cor. of
secs. 32 & 33, marked with 4
notches on E. & 2 notches on
W. edges, from which
A yew 10 ins. diam. bears
N. 65° W. dist. 30 lks. marked
T. 19 N. R. 3 E. S. 32 B. T.
A piñon 7 ins. diam. bears
N. 64° E. dist. 51 lks. marked
T. 19 N. R. 3 E. S. 33 B. T.
Land mountainous 80 chs.
Dense brush and scattering
yews 80 chs.
Soil 4th rate

May 17-1903

No. 1418

BOOK 1418

23

May 18: At 7^h a.m. l. m. t.
I set off $19^{\circ}23'$ N. on the decl.
arc; $34^{\circ}59'$ N. on the lat arc;
and determine a true meridian.
Thence I run
W. on a true line on S. l'dy.
sec. 32.

Over mountainous land,
through dense brush.

14.47 Set a sandstone $24 \times 20 \times 5$ ins.
in a md. of stone for cor. of
Tps. 18 N. R. 2 & 3 E. marked
with 6 notches on N. ^{W.} W.
edges, from which

A yew 14 ins. diam. bears
 $S. 80^{\circ} W. 24$ lks. dist. marked
T. 18 N. R. 2 E. S. 1 B. T.

A piñon 7 ins. diam. bears
 $S. 58^{\circ}30' E. 57$ lks. dist.

S. Bdy. T. 19 N. R. 3 E.

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- marked T. 18 N. R. 3 E. S. 6 B. T.
- 17.50 Gulch from S. 70° W. to S. 75° E.
- 40.00 Set a lime stone $24 \times 10 \times 4$ ins.
in a md. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,
from which
A juniper 4 ins. diam. bears
N. 67° E. dist. 173 lks.
marked $\frac{1}{4}$ S. 32 B. T.
- 54.47 Set a lime stone $20 \times 10 \times 5$ ins.
in a md. of stone for $\frac{1}{4}$ sec.
cor. on N. bdy. sec. 1 marked
 $\frac{1}{4}$ on N. face, from which
A juniper 10 ins. diam. bears
S. 72° W. 44 lks. dist.
marked $\frac{1}{4}$ S. 1 B. T.
- 77.25 Edge of rim of mesa, bears
N. & S. descend abruptly
- 80.00 Set a ~~ss.~~ ^{sandstone} $18 \times 12 \times 5$ ins. in

a md. of stone for cor. of secs.
31 & 32 marked with 5 notches
on E. & 1 notch on W. edges,
from which

A cedar 7 ins. diam. bears
N. 34° E. 45 lks. dist.

marked T. 19 N. R. 3 E. S. 32 B. T.
No other trees in dist.

Land mountainous 80 chs.

Dense brush 80 chs.

Soil 4th rate.

S. Bdy, T. 19 N. R. 3 E.

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- W. on a true line on S. bdy.
sec. 31
- Over mountainous land,
descending.
- 14.47 The cor. of secs. 1 and 2 on N. bdy, T. 18 N. R. 2 E.
- 26.00 Foot of bluff of mesa
- 40.00 Set a sandstone 24 x 16 x 4 ins.
in a md. of stone for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face.
Pits impracticable
- 44.00 Gulch, course S. W.
- 52.25 Gulch to S. 5° W.
- 54.47 The $\frac{1}{4}$ sec. cor. on N. bdy, sec. 2
- 67.25 Trail to Jerome bears N. E & S. W.
- 71.25 The cor. of Tps. 19 N. Rs. 2 x 3 E.
Land mountainous 71.25

May 18 - 1903

E. Bdy. T. 19 N. R. 3 E.

BOOK 1418

May 20: At 7^h a.m. l.m.t.
 I set off $19^{\circ}49'$ N. on the decl.
 arc, $34^{\circ}59'$ N. on the lat. arc,
 and determine a true meridian
 at the ^{S E} cor. of Tp. 19 N. R. 3 E.

Thence I run,

N. on E. b'dy. sec. 36

Over mountainous land
 through dense cedars.

- 57.78 The cor. of Tp. 19 N. R. 4 E.
 19.00 Gulch, course S.E. ascend
 40.00 Set a sandstone $20 \times 12 \times 10$ ins.
 in a md. of stone for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face, from which
 A cedar 4 ins. diam. bears
 N. 59° W. 105 lks. dist.
 marked $\frac{1}{4}$ S. 36 B. T.
 41.00 Top of ridge bears N. 55° W.
 & S 55° E. descend.

E. Bdy. T. 19 N. R. 3 E. 29

BOOK 1418

- 45.79 The $\frac{1}{4}$ sec. cor. on W. bdy. sec. 31
- 52.00 Gulch, course S. 50° E.
- 52.50 Foot of sandstone butte 600
ft. high.
- 67.00 Top of butte. As the point
for sec. cor. will come in
unsafe place I set a ^{sandstone} ~~stone~~
20x14x7 ins. in a md. of
stone for witness cor. marked
W.C. with 1 notch on S. & 5
notches on N. edges, from which
A cedar 10 ins. diam. bears
N. 60° W. 71 lks dist.
marked T. 19 N. R. 3 E. S. 36 W. C. B. T.
Descend abruptly.
- 80.00 The point for cor. of secs. 25 &
36 on steep slope of butte.
Land mountainous 80.00 chs.
Dense brush 80 chs. Soil 4th rate.

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E. Bdy. T. 19 N. R. 3 E.

BOOK 1418

- N. on E. bdy. sec. 25
- Over mountainous land,
through dense brush, descending
- 10.00 Gulch, course S. E. ascend
- 15.00 Foot of sandstone butte,
ascend abruptly.
- 34.51 Top of butte 1000 ft. high.
As the point for the $\frac{1}{4}$ sec.
cor. falls in an insecure
place on steep slope of butte
I set a ~~stone~~^{sandstone} 18 x 12 x 10 ins. in
a md. of stone for witness
 $\frac{1}{4}$ sec. cor. marked N. C. $\frac{1}{4}$ on
N. face, from which
A piñon 8 ins. diam. bears
N. 50° W. dist 116 lks
marked $\frac{1}{4}$ S. 25 N. C. B. T.
- Descend abruptly
- 52.00 Gulch, course N. 70° E. for

E. Bdy. T. 19 N. R. 3 E.

31

BOOK 1418

85.60 3 chs., thence S. 60° E. ascend
The cor. of secs. 19 & 30 which
is a lime stone $20 \times 12 \times 8$ ins.
in a md. of stone, from which
A piñon 6 ins. diam. bears
S 65° E. dist. 35 lks. properly
marked.

Land mountainous 85.60 chs.

Dense brush 85.60 chs.

Soil 4th rate.

May 20, 1903

W. Oscar Jacor.
U.S. Deputy Surveyor.

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BOOK 1418

APPROVAL.

Office of the
United States Surveyor General.

Phoenix, Arizona,

November 25, 1903.

The foregoing field notes of the survey of N. and E. Bdys. T. 19 N., R. 6 E., and E., S. and W. Bdys. T. 19 N., R. 3 E., of the Gila and Salt River Base and Meridian, in the Territory of Arizona, Executed by W. Oscar Secor, United States Deputy Surveyor, under his contract No. 102, dated June 30, 1902, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Lyzack

U. S. Surveyor General.