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VOL 1

No. 1438 **BOOK 1438**

1438

West Boundary

4-671

FIELD NOTES

GENERAL LAND OFFICE.

T. 22, N. R. 6, E.

Contract No 10.

W. O. Secor.

*Survey accepted by Cummings
letter dated February 26/90*

Preliminary Oaths of Assistants.

We L. A. Chapman
and P. S. Bishop

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 sacking 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 accordance with instructions given us in the survey of the West boundary of Township 22 N.R. 6 E and the interior lines of same Township in Yavapai County

Territory of Arizona.

L. A. Chapman Chainman.

P. S. Bishop Chainman.

Subscribed and sworn to before me, this 6

day of Aug 1887

T. Y. Norris

Notary Public.

We Emmet Laird and
James W. Donnelly

do solemnly swear that we will well and truly perform the
duties of Flagsman and Axeman
respectively - - - - -

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 West boundary and
interior lines of Townsh
22 N.R. 6 E. Yavapai
County

Territory of Arizona.

Emmet Laird
James W. Donnelly
Flagsman
Axeman

Subscribed and sworn to before me this 6"

day of Aug 1889

T. G. Morris
Notary Public.



Field Notes
of the survey of the
West Boundary
of Township 22 North of Range
No. 6 East of the Principal Base ^{and}
Meridian in Arizona, in as
surveyed by
Washington O. Secor,
U. S. Deputy Surveyor,
under his contract No. 10
Dated June 18. 1889.

Survey commenced Aug. 8. 1889.

Survey completed Aug. 9. 1889.

Names ^{and} Duties of Assistants.

Washington O. Secor	Compassman
L. A. Chapman	Chairman
P. S. Bishop	Chairman
Emmet Laird	Flagman
J. W. Donnelly	Axeman.

Final Oaths for Surveys.

LIST OF NAMES.

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A List of the Names of Individuals employed by
 Washington A. Secor U. S. Deputy Surveyor to
 assist in running, measuring and marking the lines and
 corners described in the foregoing Field Notes of the survey of
 the West boundary and interior
 lines of Township 22 N.R.
 6 E. Gila and Salt River Base
 and Meridian Yava

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of the principal base and meridian in the Territory of Arizona,
 showing the respective capacities in which they acted.

- Lu. Chapman Chairman
- T. S. Bishop
- Emmet Laird Flagman
- James W. Donnelly Foreman
- Julius Escherich Cook
- Washington A. Secor, Compademan

Final Oaths of Assistants.

We hereby certify that we assisted Washington
O. Secor U. S. Deputy Surveyor, in surveying
The West line of Township
22 N. R. 6 E - and the
interior lines of said township

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of the principal base and meridian in the Territory of Arizona,
as are represented in the foregoing field notes as having been
surveyed by him and under his direction; and that said Survey
has been in all respects, to the best of our knowledge and belief,
well and faithfully surveyed, and the corner monuments es-
tablished according to the instructions furnished by the U. S.
Surveyor-General for Arizona.

Lot Chapman Chairman
J. S. Bishop Chairman
Emmet Laird Flagman
James W. Donnelly Assesman

Subscribed and sworn to before me this 26th
day of August - 1889
T. G. Norris
Notary Public.

Final Oath of U. S. Deputy Surveyor.

BOOK 1438I Washington O. SeesUnited States Deputy Surveyor, do solemnly swear that in
pursuance of instructions received from ~~Robert G.~~Jahus Hise U. S. Surveyor General for Ari-
zona bearing date of the 18th day of June1889 I have well, faithfully, and truly, in my own proper
person and in strict conformity, with the instructions furnish-
ed by the U. S. Surveyor General for Arizona, the surveying
manual and the laws of the United States surveyed the Westboundary of interior lines
of Township 22 N.R. 68

of the principal base and meridian in the Territory of Ari-
zona, as are represented in the foregoing fields notes as having
been surveyed by me and under my direction; and I do further
solemnly swear that all the corners of the said survey have been
established and perpetuated in strict accordance with the survey-
ing manual, printed instructions, the special written instruc-
tions of the U. S. Surveyor General for Arizona, and in the

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specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Washington O. Searr.
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 26th day of August 1889

T. G. Norris,
Notary Public.

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BOOK 1438

ALBUQUERQUE, N. M.

J. 22 N. R. 6. E.

			BOOK 1438			
7	6	5	4	3	2	1
9	7	8	9	10	11	12
10	18	17	16	15	14	13
11	19	20	21	22	23	24
12	30	29	28	27	26	25
13	31	32	33	34	35	36

On the night of Aug. 7, 1889, I took an observation on the star Polaris for the purpose of determining the true meridian ^{and} the magnetic declination of my needle.

I found the magnetic declination to be $15^{\circ} 15'$ E. ^{and} drove stakes on the line thus established.

Before commencing this survey I tested my instrument on the line established last night ^{and} found it correct.

From the cor. to Tps. 21 + 22 N. of Rs. 5 + 6 E. which is a pine stake 3 in. square ^{and} 3 ft. long, properly marked, set in a mound of stone at the foot of a rocky bluff, among pine timber ^{and} near the E. edge of an open park, with bearing trees also properly marked, I run

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N. on a random line on the West
Boundary of Twp. 22 N. of R. 6 E. setting
Temporary $\frac{1}{4}$ Sec. ^{and} Sec. Cors. at every
40 ^{and} 80 chs. ^{and} at 6 miles ^{and} 0.61 chs.
I intersect the N. Bdy. of said Twp. at a
point 42 lks. W. of cor. to Tps. 22 & 23
N. of Rs. 5 & 6 E. Thence I run
S. $0^{\circ} 3' W.$ on a true line

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

In pine timber, over rolling ground.

40.61 Set an igneous rock $16 \times 15 \times 7$ in. 11 in. in
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face
^{and} raised a mound of stone alongside.

18.03 A pine tree 40 ins. in diam. on line.

30.61 Set an igneous rock $18 \times 12 \times 10$ ins. in a mound
of stone for cor. to secs. 1, 6, 7 & 12. marked with
1 notch on N. ^{and} 5 notches on S. edges. ground too
rocky to admit the same.

Land rolling. soil rocky ^{and} very poor.

Timber pine. some good grass.

S. $0^{\circ} 3' W$. on a true line between secs.
7 + 12.

Ya. $15^{\circ} 15' E$.

- 2.20 Ravine course S. $60^{\circ} W$.
- 22.00 Wagon road bears E + W. ascend
- 38.00 Top of rocky ridge bears N.E. + S.W. descend.
- 40.00 Set igneous stone $24 \times 15 \times 12$ ins. in mound
of stone - ground too rocky to admit the same -
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face.
- 49.50 Ravine to S. W. ascend W. slope of hill
- 52.00 Top of W. slope of hill, descend.
- 59.00 Foot of " " "
- 80.00 Set stone $15 \times 15 \times 4$ ins. in mound of stone -
ground too rocky to admit the same - for cor.
to secs. 7, 12, 13 + 18, marked with 2 notches on N.
and 4 notches on S. edges.

Land rolling, soil very rocky, pine timber
and some good grass.

August 8, 1889

S. $0^{\circ} 3'$ W. on a true line between secs.
13 + 18.

Ya. $15^{\circ} 15'$ E.

- 12.70 Pine 30 ins. diam. on line.
- 23.80 Ravine course S.W.
- 29.02 Pine 18 ins. diam. on line.
- 40.00 Set stone 16x15x12 ins. in md. of stone,
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face.
- 46.50 Ravine course W.
- 50.63 Pine 12 ins. diam. on line.
- 80.00 Set stone 24x12x12 ins. in md. of stone
for cor. to secs. 13, 18, 19 + 24, marked with
3 notches on N. + 3 on S. edges.
Land rolling, soil very rocky, with
some good grass, timber, pine.
-

S. $0^{\circ} 3' W.$ on a true line between secs.
19 + 24.

$\gamma a. 15^{\circ} 15' E.$

- 7.79 Pine 30 ins. diam. on line.
- 9.00 Wagon road bears N.E. + S.W.
- 10.00 Log cabin bears W. dist. 2 chs. ascend
- 19.60 Ravine course S. $75^{\circ} W.$
- 30.20 Top of rocky bluff bears N.E. + S.W. descend.
- 38.00 Foot " " " " " "
- 40.00 Set stone $12 \times 12 \times 8$ ins. in mid. of stone,
marked $\frac{1}{4}$ on W. face for $\frac{1}{4}$ sec. cor.
- 49.00 Bottom of ravine to the S.W.
- 60.00 Ravine course W. ascend.
- 75.00 Top of ridge, bears E + W. descend.
- 80.00 Set stone $16 \times 10 \times 4$ ins. in mid. of stone for
cor. to secs. 19, 24, 25 + 30, marked with
4 notches on N. + 2 on S. edges.
Land broken, soil rocky. 4th rate timber pine,
some good grass.

S. $0^{\circ} 3' W.$ on a true line between
secs. 25^q & 30.

Ya. $15^{\circ} 15' E.$

- 10.00 Ravine course S. $30^{\circ} W.$ ascend.
- 32.00 Top of ridge, bears N.E. + S.W. descend abruptly
- 39.00 Bottom of deep gulch course S.W. ascend.
- 40.00 Set stone $16 \times 12 \times 4$ ins. in mid. of stone
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face.
- 50.00 Top of W. slope of hill descend.
- 59.75 Ravine course S. $60^{\circ} W.$ ascend.
- 76.00 Top of high ridge bearing E + W. descend.
- 80.00 Set stone $17 \times 12 \times 5$ ins. in mid. of stone
for cor. to secs. 25, 30, 31 + 36. marked with
5 notches on N. + 1 notch on S. edges.
Land rough mountainous, soil rocky,
4th rate, timber pine, grass.
-

S. $0^{\circ} 3' W$. between sec. 31 + 36 on a
true line.

Ya. $15^{\circ} 15' E$.

- 16.00 Bottom of ravine, course S. W. ascend.
 29.00 Top of ridge, bears N. $60^{\circ} E$ + S. $60^{\circ} W$. descend.
 32.00 Ravine, course S. $75^{\circ} W$. ascend.
 40.00 Set stone $15 \times 12 \times 6$ ins. in mound of stone
 for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face.
 50.00 Top of bluff bears N $80^{\circ} E$ + S $80^{\circ} W$. descend
 77.50 Foot of " ~~rav~~
 80.00 The cor. to Tps. 21 + 22 N. of Rs. 5. + 6. E.
 Land rough + mountainous, soil rocky
 with ^{4th} rate. pine timber + good grass in many
 places.

Aug. 9, 1889.

General Description.

The ground on this line is covered with a not very thick growth of yellow pine timber ^{and} some very good grass. It is also covered with volcanic rock; that being the only formation of stone on the line.

The township W. of this line is also nearly covered with pine timber; though there are several open parks containing excellent pasturage.

Washington O. Secor.

United States Deputy Surveyor.

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U. S. Surveyor-General's Office,

TUCSON, A. T., Nov. 25th 1889

The foregoing Field Notes of the Surveys of
 West Boundary of
 Township 22 North. Range
 6 East

Gila and Salt River Meridian
 in Arizona. executed by

Washington O Secor

U. S. Deputy Surveyor, under his contract dated

June 18th 1889

having been critically examined, the necessary correc-
 tions and explanations made, the said Field Notes and
 the surveys they describe are hereby approved.

Wm. A. Johnson

U. S. Surveyor-General
 for the Territory of Arizona.