

Book 1.

6 Stand.

Copied Recd Nov 28th 1891
comp and
written

No. 1240

Sent to Com Y. L. O. Feb. 6th 1892

BOOK 1240

Approved March 15. 1892

Resurvey

4-671

BOOK 1240

1240

FIELD NOTES

~~GENERAL LAND OFFICE~~

~~of the~~ ^{Re} ~~survey~~
~~of the~~

Standard Parallel North
through Range 17. East
Surveyed by John C. Smith
U. S. Dep. Sur
Under his contract No 16
Dated Nov 1st 1890
Survey commenced April
completed

Preliminary Oaths of Assistants.

We A. J. Spruce States & Mormon
and E. A. Foutz, and Antonio Magui

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability and in accordance with the instructions given us in the survey of the Estero and Subdivision lines of Tps. 27 N. Rs. 17 and 18 E. Tps. 28 N. Rs. 16, 18 and 19 E. Tps. 29 N. Rs. 15, 17 and 18 E. and a portion of the 7th Standard North and 4th Guide Meridian East

A. J. Spruce Chairman
States & Mormon Chairman
E. A. Foutz Chairman
Antonio Magui (+) Chairman
his mark

Witnesses:
John C. Smith
States & Mormon

Sworn to and subscribed before me, this 13th day of

April, 1881.

John C. Smith
U.S. Deft. Sec.

We, A. J. Spruce and
States D. Morrison

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

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 Exterior and subdivision line of
Tps. 27 N. Rs. 17 and 18 E. Tps. 28 N. Rs. 16, 18 and 19 E. and
Tps. 29 N. Rs. 15, 17, and 18 E. and a portion of the 7th
Standard N. and 4th Guide meridian East

A. J. Spruce / Armen
States D. Morrison / flagman

Sworn to and subscribed before me this 13th day of

April, 1881

John G. Smith
U.S. Dep't. Sec'y.

No. 1240

Total number of Batches in
Contract No. 16. 47

The middle of _____
 Note: The Solar Transit used
 in making this Survey,
 reads $11^{\circ} 51'$ East on the true
 Meridian of Tucson -
 which is about 1°
 less than the reading
 of other instruments -

BOOK 1240

D. 257, 178

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Resurvey
 Chain ~~Station~~ 6th Standard

Survey commenced April 13th
 1891 with a Jas. H. Dunn
 & Co. mountain transit,
 with solar attachment.

Also a Burt's Solar Compass
 & other instruments were
 tested on the meridian
 established under direction
 of the U.S. Surveyor Gen-
 eral's office at Tussock,
 and also before commencing
 the survey.

After several days of
 searching I found the
 closing cor. to Tps. 24 & 27.
 Rs. 16 and 17 E.

On the night of April 12th
 1891 I took an observa-
 tion on the Star Polaris

chain North through Range "T E.

by observing it on Meridian
with Delta Cassiopeia, which
is observable here on
account of the remarkable
clearness of the atmosphere.
The elongations of Polaris
are not observable.

By driving piculet on the
line I determine the
true meridian, also the
magnetic variation to be
12° 50' E.

As the 4th Guide Meridian
runs over a rough, broken
and mountainous country as
visible from the ^{Spring} cor. to
Sp. 2^d 71. Obs. 16 and 17 E.
and it is more
desirable to run the

3

Resurvey BOOK 1240

Chains ~~Abstracting~~ 6th Standard

range line bet. Rs. 17 and 18
East. I retraced the 6th.

* Standard Parallel north by
running East. Through Range
18 East, on the south
boundary of section 26,
From (the closing) cor.

which was a cottonwood
post $4\frac{1}{2}$ ft. by 4 ins. sq.
lying on the ground
marked C.C. V. 24 N.

R. 17 E. 0.6

R. 16 E. 0.1. with 6 nails
on 3 sides.

I re-establish the cor.
by resetting the post
with marked stone 12 ins.
in the ground, with
the marks facing the

Chain North through Range 17 E,

proper points of the
Compass, and re-dug
pile 24x18x12 ins. crosswise
on rail line S. E. and N.
of post 6 ft. dia. and
raised a mound of
earth 2 1/2 ft. high 5 ft.
base around post.)

7a. 12° 55' E.

Descend very gently.

4032 The Standard Cor. to Tpr. 25 N.

Rs. 16 and 17 E. which is a
post 4 1/2 ft. long 4 ins. sq.
lying on the ground
marked S. 6. S. 25 N.

R. 17 E. S. 12. 31

R. 16 E. S. 12. 36 with
6 notches on 3 sides.

I re-set the post 12 ins
in the ground with

57

Resurvey

BOOK 1249

Chains ~~Returning~~ 6th Standard 47 mts

marked faces properly by
sit. and re-dug
pile 24x18x12 ins. N. E. and
N. post 6 ft. dist. and
raised a mound of
earth 2 1/2 ft. high 5 ft.
wide around post.

Thence I ran East
along South boundary
Dec. 31

7a. 12951' E.

440.00

Descend gradually
No cor. Deposited a
marked stone 12 ins. in
the ground for Standard
1/4 S.W. cor. dug pile
18x18x12 ins. N. E. and N.
of cor. 5 1/2 ft. dist. and
raised a mound of

Chain through Range 17 E.

earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 tan over it. In east
 pil. draw a stake 2 ft.
 long 2 ins. sq. white ins.
 in the ground marked B.
 $1\frac{1}{4}$ S. on N. face.

5000 East flat from N.E. and SW.
 8000 No. cor. Deposited a mark-
 ed stone 12 ins. in the
 ground for standard corner to
 sections 31 and 32, dug pile
 $18 \times 18 \times 12$ ins. N.E. and N.
 of cor. $5\frac{1}{2}$ ft. dia. and
 raised a mound of
 earth 2 ft. high $4\frac{1}{2}$ ft.
 tan over it. In E.
 pil. draw a stake
 2 ft. long 2 ins. sq. 12
 ins. in the ground

Resurvey
Chain ~~Resurvey~~ 5th Standard

marked O. C. T. 25-71,
R. 1767, on N. S. 32 on E
S. 31 on N. face. and 5
notches on E. and 1 notch on W.
face.

Surface level and rolling
S. Ind. rate.

Grid lines.

East along South Boundary
of Sec. 32.

Ya. 12° 5' E.

Same plot around one rolling hill
at Trail from N.E. and S.W.

4000 No cor. Deposited a
marked stone 12 ins. in
the ground for Standard 14
Sec. Cor. dug pits 18x18x12
ins. E. and N. of cor.

Chain North Strayk Range Twp.

5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground inserted S.C. 14 S. on N. face.

8000 No. cor. Dug a marked about 12 ins. in the ground for Standard Cor. to size 32 and 33. dug pile 18x18x12 ins. N. E. and N. of cor. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. sq. 12 ins.

Resurvey
 Chain ~~Reference~~ 6th Standard

in the ground marked
 T. 25 N. R. 17 E. S. 6. on N.
 S. 33 on E. and
 0 32 on N. face, with
 2 notches on N. and 4
 notches on E. face.

Surface rolling
 Soil. 2nd. sub-
 Some grass

East along south boundary
 Sec. 33

To. 12⁰⁰ 00' E.

over rolling country

38.05 Trail from N. E. and S. W.
 40.00 No. cor. Deposited a
 marked stone 12 ins.
 in the ground for Standard
 1/4 Sec. cor. dug pits

Chains North through Range 17th E.

18x18x12 ins. E. and N. of
cor. 5 $\frac{1}{2}$ ft. dist. and
raised a mound of
earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
ft. base over it.

In east pit drove a
stake 2 ft. long 2 ins. sq.
12 ins. in the ground
marked S.C. 14 S. on
N. face.

Saw No. cor. Deposited a
marked stake 12 ins.
in the ground for
Standard Cor. to S.W. 33
and 34 dug pits 18x18x12
ins. N. E. and N. of cor.
5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth
2 ft. high 4 $\frac{1}{2}$ ft. base

Chain straying 6th Standard

over St. In East. pit
 down a stake 2 ft. long
 2 ins. sq. 12. ins. in
 the ground marked
 S. 25 N. R. 17 E. S. C. on N.
 S. 34 on E. and
 S. 33 on N. fence, with
 3 notches on E. and N. fence
 Surface rolling hills
 Soil 2nd rate
 Good grass

East along South boundary
 S. 34

To 1205-0' E.

over rolling hills

4000 Mo. cor. Deposited —

marked stone 12 ins. in
 the ground for Standard 124

Chain North through Range 17 E

S. Cor. dug pits 18x18x12
ins. E. and N. of cor.

5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft.
high 3 $\frac{1}{2}$ ft. base over it.

In East pit drove a stake
3 ft. long 2 ins. sq. 12. ins.
in the ground. marked
S.B. 14 C. on N. face.

8011 No. cor. Deposited —
marked stake 12 ins. in
the ground for Standard
Cor. to S. 34 and 30.

dug pits 18x18x12 ins.

N. E. and N. of cor.

5 $\frac{1}{2}$ ft. dist. and raised
a mound of earth

4 ft. high 4 $\frac{1}{2}$ ft. base
over it. In East.

Resurvey
Chain ~~Survey~~ 6th Shawton

pit. Drove a stake
Lft. long 2 ins. sq. 1 2
ins. in the ground
marked T. 25 N. R. 17 E. S. 6,
on N. S. 35 on E. and
S. 34 on N. face. with 2
notches on E. and 4
notches on N. face.

Surface rolling hills.
Soil 2nd rate.

Good grass

East along south boundary
S. 35.

Pa. 12° 50' E.

over rolling country
#100 No cor. (Reprinted) a
marked stone 12 ins. in
the ground for Shawton

Chains North through Range 17. E.

1/4 sec. cor. ~~marked~~ dug
 pit 18x18x12 ins. E. and N.
 of cor. 5 1/2 ft. dist. and
 raised a mound of
 earth 1/2 ft. high 3 1/2 ft.
 from over it. In
 East pit drove a
 stone 2 ft. long 2 ins. sq.
 12 ins. in the ground
 marked S. 6. 1/4 S. on
 N. face.

80.00 1/4 sec. Deposited a
 marked stone 12 ins.
 in the ground for Standard
 Cor. to Sec 35, and 36
 dug pit 18x18x12 ins. N.
 E. and N. of cor. 5 1/2
 ft. dist. and raised a
 mound of earth

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Resurvey

Chains Abstracting 6th Standard

2 ft. high 4 1/2 ft. from
over it. In East pit
from a stake 2 ft. long
2 ins. sq. 12 ins. in the
ground. marked.

E. 25 N. R. 17 E. S. 6 on N.
S. 36 on E. and

S. 35 on N. faces. with
1 notch on E. and 5 notches
on N. faces.

Surface rolling

Soil 3rd. rate

Good Grass

East along South Boundary
S. 36

To. 13° 50' E.

Over rolling hills.

4000 No. cor. Deposited a

Chains North Through Range 17 E.

marked stone 12 ins. in
 the ground for Standard
 "4 S.W. Cor. dug pits
 18x18x12 ins. E. and N. of
 cor. 5 1/2 ft. dist. and
 raised a mound of earth
 1 1/2 ft. high 5 1/2 ft.
 base over it. On East.
 pit down a stake
 1 ft. ^{long} 2 ins. sq. 12 ins.
 in the ground marked
 S.W. "4 S. on N. face.

8000 No. cor. Deposited a marked
 stone 12 ins. in the
 ground for Standard Cor.
 to 8000. Sps. 25 N. R. 17
 and 18 E. dug pits 24x18x12
 ins. crosswise on each line
 N. E. and N. of cor. 6 ft. dist.

17.

BOOK 1240

Resurvey

chains

Restraining 6th Shattuck

and raised a mound
of earth 2 $\frac{1}{2}$ ft. high
off. face over it.

In East pit drove
a stake 2 ins. sq. 2
ft. long 12 ins. in the
ground marked.

D. 6. E. 25 N. on N.

D. 18 E. 216. 31 on E. and

D. 17 E. 216. 36 on N.

fau. with, 6 notches on
N. E. and N. fau.

Surface rolling hills

Soil Ind. sets.

Good grass

April 13th 1891

North through - Range 17 E

General Description

This line runs over a rolling country. In the township to the south there are some Parks - to the north there is some very good land except near the 4th Guide Meridian which is mountainous -

The soil is 3rd. rate but some 1st rate
Grass is good -

John C. Smith
U.S. Deputy Surveyor

For final notes see Book 47

No. 1240

U. S. Surveyor-General's Office,

TUCSON, A. T., Feb. 6th 1882

The foregoing Field Notes of the Surveys of
the Standard North through
 R. 17 E. of the

Gila and Salt River Meridian
 in Arizona executed by
John B. Smith

U. S. Deputy Surveyor, under his contract dated
November 1st 1880
 having been critically examined, the necessary correc-
 tions and explanations made, the said Field Notes and
 the surveys they describe are hereby approved.

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