

Exterior
BOOK "O"

2542

BOOK 2542

FIELD NOTES

RE
OF THE SURVEY OF THE

*East Boundary of Township
No. 28. North. of Range No. 15 East.*

Of the *Gila and Salt River Base and Meridian,*

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blunt

United States *Examiner of Surveys*
~~Deputy Surveyor~~

Special Instructions

Under ~~his Contract No.~~, dated *Oct 2nd 1907 and May 15th*, 1908

Re-Survey commenced *December 5th*, 1908

Re-Survey completed *December 5th*, 1908

28
1A

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NAMES AND DUTIES OF ASSISTANTS.

Ralph M. Westraud	Chairman
Jay E. Jelicik	Chairman
W. D. Warner	Woundedman
Robert E. Colborne	Flagman
Harvey Lake Kay	Flagman
Chas. L. Shuman	Woundedman

Note: Some faint remains of the old corners were found, but a careful investigation shows that it would be totally impracticable to re establish the old $\frac{1}{16}$ sec. corner in their original positions. I, therefore consulted with the allotting agent who informed me that no allotments would be based upon the old obliterated lines, so I completely ignore any evidence of the old survey.

INDEX DIAGRAM.

Township 28 N., Range 15 E

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

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 distances 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 instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 _____ }



See Exterior Book

(See Note on Index page)

Survey Commenced. December 5th 1908 and executed with a Young & Sons light-mountain transit No. 10 with a Smith Solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc. which is also the least count of the verniers of the latitude and declination arcs.

Examined the adjustments of the transit and find them to be perfect. and knowing from recent tests of the solar beam and p.m. observations on a meridian established by observations on Polaris that the solar apparatus is in satisfactory adjustment.

I begin at the Cor. of Pps. 27 and 28 N. R 15 and 16 E which I established November 20th 1908. ^{as described in Exterior Book "Z"} Latitude $35^{\circ}46\frac{1}{4}'$ N. Longitude $110^{\circ}41'22''$ W

At this Cor. I set off $35^{\circ}46\frac{1}{4}'$ N. on the lat. arc. $27^{\circ}21'$ S on the decl. arc. and at $8^h 51^m$ a.m. I determined a meridian with the solar

Then I run, resurveying E. bdy. of T. 28 N. - R. 15 E.

North, bet. Secs. 31 and 32,

Descend N.E. slope over low rolling sand hills through sage brush and greasewood undergrowth

20.00

No trace of old $\frac{1}{4}$ sec. cor.

30.00

Hook of descent in a depression bears N.E. and S.W. are. S.E. slope

140.00

Set an iron post 3 ft. long in diameter 26 ins. in the ground for ^{re-established} $\frac{1}{4}$ sec. cor. marked on base ^{cap} $\frac{1}{4}$ S 36 on W. half and S 31 on E. half.

Dig pits 18x18x12 ins N and S of post 3 ft. dist and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W of cor. No trace of old $\frac{1}{4}$ sec. cor. can be found.

5300

Top of sand ridge bears N.W. and S.E. desc.

60.00

No trace of old $\frac{1}{4}$ sec. cor.

80.00

Set an iron post 4 ft. long 3 ins. in diam 36 ins. in the ground for ^{re-established} Cor. of secs. 25 30 31 and 36. marked on base Cap. T 28 N on N. half. R 15 E S 25 in NW. R 16 E. S 30 in N.E. S 31 in S.E. and S 36 in S.W. quadrant.

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Dig pits 18x18x12 ins. in each sec 5 1/2 ft. dist and
 raise a mound of earth 4 ft. base 2 ft. high
 W. of cor. No trace of old sec. cor. can be found.
 Land hilly
 Soil sandy 3rd rate.
 No timber

20.00
 40.00

North, bet. sec 25 and 30,
 Over low rolling sand hills, through sage
 brush and greasewood undergrowth 2 ft. high.
 No trace of old 1/16 sec. cor.
 Set an iron post 3 ft. long, 1 in in diam, 26
 ins. in the ground for ^{re-established} 1/4 sec. cor. marked on
 brass cap. T 325 on W half and S 30 on E
 half.

52.00

Dig pits 18x18x12 ins N. and S of post 3 ft.
 dist. and raise a mound of earth 3 1/2 ft. base
 1 1/2 ft. high W of cor. No trace of old 1/4 sec. cor. can be found.

60.00
 80.00

Land hilly sandy land bears N.E. and S.W.
 Elevation about land bears N.E. and S.W.
 No trace of old 1/16 sec. cor.
 Set an iron post 4 ft. long 3 ins. in diam.
 36 ins. in the ground for ^{re-established} cor. of sec. 19, 24
 25 and 30 marked on brass cap. T 28 N on
 N. half., T 15 E S 24 in NW. R 16 E S 19 in NE.
 S 20 in SE. and S 25 in SW. quadrant.

Dig pits 18x18x12 ins in each sec. 5 1/2 ft. dist.
 and raise a mound of earth 4 ft. base, 2 ft.
 high W of cor. No trace of old sec. cor. can be found.
 Land level and hilly
 Soil sandy and adobe 3rd rate
 No timber

20.00
 40.00

North, bet. sec 19 and 24,
 Over level adobe land through sage brush
 and greasewood undergrowth 2 ft. high.
 No trace of old 1/16 sec. cor.
 Set an iron post 3 ft. long 1 in in diam 26
 ins in the ground for ^{re-established} 1/4 sec. cor. marked on

50.00 ¹ bear Cap. $\frac{1}{4}$ S 24 on W half. and S 19 on E half.
 Dig pits 18x18x12 ins N and S of post. 3 ft. dist and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor. No trace of old $\frac{1}{4}$ sec. cor.
 60.00 ² bear level adobe land bear NW. and SE.
 80.00 Enter hilly sandy land.
 No trace of old $\frac{1}{16}$ sec. cor.
 Set an iron post. 4 ft. long 3 ins. in diam. 36 ins. in the ground for ^{re-established} cor. of secs. 13, 18, 19 and 24. marked on bear Cap. T 28 N. on N. half. R 15 E. S 13 in NW. R 16 E S 18 in NE. S 19 in SE and S 24 in SW quadrant.
 Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. No trace of old sec. cor. can be found.
 Land level and hilly.
 Soil sandy and adobe 3rd rate.
 No timber

20.00 North, bet. secs. 13 and 18,
 40.00 Over rolling sandy land through sage brush and greasewood. Undergrowth 1 ft. high
 No trace of old $\frac{1}{16}$ sec. cor.
 Set an iron post 3 ft. long 1. in in diam 26 ins. in the ground for ^{re-established} cor. marked on bear Cap. $\frac{1}{4}$ S 13 on W half and S 18 on E half.
 Dig pits 18x18x12 ins N and S of post. 3 ft. dist and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high W. of cor. No trace of old $\frac{1}{4}$ sec. cor.
 52.00 ³ bear rolling land bear NW. and SE. Enter hilly land bear NW and SE. as a S slope
 60.00 No trace of old $\frac{1}{16}$ sec. cor.
 47.00 Note of sand ridges bear NE. and SW. desc.
 80.00 Set an iron post. 4 ft. long 3 ins. in diam. 36 ins. in the ground for ^{re-established} cor. of secs. 7, 12, 13 and 18. marked on bear Cap. T 28 N. on N. half. R 15 E S 12 in NW. R 16 E. S 7 in NE. S 18 in SE and S 13 in SW quadrant.
 Dig pits 18x18x12 ins in each sec. $5\frac{1}{2}$ ft. dist, and raise a mound of earth 4 ft. base

Resurvey of the East Boundary of Twp 28 N. R 15 E
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2 ft. high W of cor. No trace of old sec. cor. can be found.
Land rolling and hilly
Soil sandy and about 3rd rate.
No timber

At this cor I set off $22^{\circ}23'S$. in the decl. arc
and ab. noon. I observed the sun on
the meridian and obtain on the lat arc a
reading of $35^{\circ}49\frac{1}{2}'N$. for the latitude of this
place

North, Secs 7 and 12,
One low rolling and hilly through sage
bush and greasewood undergrowth 2 ft high
ascend S.E. slope

11.00 Top of sand ridge bears N.E. and S.W. thence
over broken hilly land.

20.00 No trace of old $\frac{1}{16}$ sec. cor.

32.00 At point B Ch. E of stone house.

40.00 Set an iron post 3 ft. long, 1 in. in diam 26
ins in the ground, ^{re-established} for $\frac{1}{4}$ sec. cor. marked
on brass cap $\frac{1}{4}$ S 12 on W half and 37 on
E half.

Dig pits 18 x 18 x 12 ins. N and S of post. 3 ft.
dib. and raise a mound of earth $3\frac{1}{2}$ ft.

60.00 Top 1 $\frac{1}{2}$ ft. high. W of cor. No trace of old $\frac{1}{4}$ sec. cor.

70.00 No trace of old $\frac{1}{16}$ sec. cor.

Descend N.E. slope

80.00 Set an iron post 4 ft. long, 3 ins. in diam
36 ins. in the ground, ^{re-established} for $\frac{1}{4}$ sec. of sec. 1, 6, 7 and
12. marked on brass cap. T 28 N. on N half.

R 15 E S 1 in NW. R 16 E S 6 in N.E. S 7 in S.E. and
S 12 in SW. quadrant

Dig pits 18 x 18 x 12 ins in each sec 5 $\frac{1}{2}$ ft.
dib. and raise a mound of earth 4 ft.

Top 2 ft. high. W of cor. No trace of old sec. cor.
Land hilly.

Soil sandy 3rd rate.
No timber

Worth, beh. sec 1 and 6,
Descend N. slope over hilly sandy land
through sage and greasewood brush 1 ft. high.
No trace of old $\frac{1}{16}$ sec. cor.
North of descent in depression bear N.W. and
S.E. asc. S. slope over rolling sandy land.

20.00
30.00

40.00

Set an iron post. 3 ft. long 1 in. in diam ^{re-established} 26
ins. in the ground for $\frac{1}{4}$ sec. cor. marked on
brass cap. $\frac{1}{4}$ S1 on W half and S6 on E half.
Dig pits 18x18x12 ins N and S of post. 3 ft. dist
and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$
ft. high $\frac{1}{4}$ sec. No trace of old $\frac{1}{4}$ sec. cor. can be found.
No trace of old $\frac{1}{16}$ sec. cor.

60.00
68.00

73.10

Top of sand ridge bear N.W. and S.E. desc
Road from Nubating to Crater Ariz bear
N.E. and S.W.

77.82

Intersect the Seventh Standard Parallel
North 1.18 ch. East of the ^{old} Stand $\frac{1}{4}$ sec. cor. on the ^{of sec. 36}
S. line of T₂₉N. R₁₅E. _{(which is mound of earth $3\frac{1}{2}$ ft. base}
 _{$1\frac{1}{2}$ ft. high, pits E. & W. $5\frac{1}{2}$ ft. dist.)}

Set an iron post. 4 ft. long. 3 ins. in diam. 36 ins
in the ground. for ^{re-established} closing cor. of T₂₈N. R₁₅E.
15 and 16. E. marked on brass cap. T₂₉N. in
N half. C.C. T₂₈N. in S half. R₁₅E S 36 in N.W. R₁₆E.
S 31 in N.E. R₁₆E S 6 in S.E. and R₁₅E S 1 in S.W. quadrant.
Dig pits 30x24x12 ins crosswise on line East W.
4 ft. and S. of post. 8 ft. dist and raise a mound
of earth 5 ft. base $2\frac{1}{2}$ ft. high S. of cor.
No trace of old closing cor. of T₂₈N. R₁₅E. can be found
Land low rolling sand hills.

Soil sandy 2nd and 3rd rate.
No timber

December 5th 1908

General Description

This township is rough and mountainous in
the Western part and hilly in the Central
and northern, and rolling in the south
eastern part. The soil which is nearly
all 3rd and 4th rate is covered with fine
grass, affording an excellent winter
pasture for sheep cattle and horses.
There is no living water in the township.
Cedar and fruit-bearing timber is found over
the mesa portions in the Western and northern

I destroy all evidence of this $\frac{1}{4}$ sec. cor. and re-establish
it in the same place as follows: Set an iron post 3 ft. long,
1 in. in diam. 26 ins. in the ground, marked on brass cap.
 $\frac{1}{4}$ S 36 on N. half. Dig pits 18x18x12 ins. E. & W. of post
3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high. N. of cor.

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parts -
The township should be surveyed.

Sidney E. Blouh
U.S. Examiner of Surveys

December 5th 1908

U.S. EXAMINER OF SURVEYS
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.
(SAME APPLIES TO EXTERIOR BOOKS "A" "B" "G" "I" "K" "M" "N" and "AX")

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blount

Examiner of Surveys

United States Deputy Surveyor, to assist in running, measuring, and

in this book and Exterior Books (A)(B)(G)(I)(K)(M)(N) and (AX)

marking the lines and corners described in the foregoing field notes of the survey of the North bdrs. of Townships 25 N. - R. 15 & 16 E., 26 N. - R. 16 E., South bdrs. of Tps. 26 N. - R. 17, 18 & 19 E., East bdrs. of Tps. 25 & 26 N. - R. 15 E., 26 N. - R. 18 E. (and 5/8 of East bdy. of T. 26 N. - R. 19 E. and resurvey of East bdrs. of Tps. 28 N. - R. 15 E., and 26 N. - R. 17 E., N 1/2 of East bdy. of T. 26 N. - R. 19 E. and North bdrs. of Tps. 26 N. - R. 17, 18 & 19 E., and West and portions of North and East bdrs. of T. 27 N. - R. 19 E. G. & S. R. Base and Meridian, Arizona. Van L. White, Compassman.

Fred L. Warner Chainman

Jay E. Jellish, Van L. White & Walter A. Swoffer Chainmen.

Ralph J. Westraud Chainman

Chas. L. Shumway, Harry J. Hassler, and Fred L. Warner Moundmen.

Chas. A. Dutton Axman

Chas. L. Shumway and Felix Manning Flagmen

Harvey Lake Nay and Robt E. Claborn Flagmen.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blount

Examiner of Surveys

United States Deputy Surveyor, in surveying all

those parts or portions of the North bdrs. of Tps. 25 N. - R. 15 & 16 E., 26 N. - R. 16 E., the South bdrs. of Tps. 26 N. - R. 17, 18 & 19 E., and East bdrs. of Tps. 25 N. - R. 15 E., 26 N. - R. 18 & 19 E. and portions of North and East bdrs. of T. 27 N. - R. 19 E. and resurveying all those parts or portions of the East bdrs. of Tps. 26 N. - R. 17 & 19 E., 28 N. - R. 15 E. and North bdrs. of Tps. 26 N. - R. 17, 18 & 19 E. and E. and N. bdrs. of T. 27 N. - R. 19 E. of the

Arizona Base and Meridian in the Territory of Arizona, which are represented in this book and Exterior Books (A)(B)(G)(I)(K)(M)(N) and (AX) or resurveyed 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 executed and the corner monuments established or re-established according to the instructions furnished by the United States Commissioner

General for of the General Land Office Van L. White Compassman

Van L. White, Fred L. Warner and Walter A. Swoffer Chainmen.

Ralph J. Westraud and Jay E. Jellish Chainmen.

Chas. L. Shumway Moundman.

Fred L. Warner and Harry J. Hassler Moundmen.

Chas. A. Dutton Axman.

Charles A. Dutton Axman.

Robt E. Claborn and Chas. L. Shumway Flagmen.

Harvey Lake Nay and Felix Manning Flagmen.

Subscribed and sworn to before me this 22nd day of December, 1908

Sidney E. Blount
U.S. Examiner of Surveys



EXAMINER OF SURVEYS
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Sidney E. Blout, United States ~~Deputy Surveyor~~ ^{Examiner of Surveys}, do solemnly swear that, in pursuance of ~~contract~~ ^{Special Instructions} received from ~~the Commissioner of the United States Surveyor General for~~ ^{the Commissioner of the} ~~General Land Office~~, bearing date of the ~~2nd day of Oct. 1907~~ ^{2nd day of Oct. 1907} and the ~~15th day of May, 1908~~ ^{15th day of May, 1908}, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ~~United States Surveyor General for~~ ^{Commissioner} ~~of the General Land Office~~, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ~~The East Boundary of Twp. No. 28 N., Range No. 15 E., Cash.~~ ^{The East Boundary of Twp. No. 28 N., Range No. 15 E., Cash.}

of the ~~Gila and Salt River Base and Meridian~~ ^{Gila and Salt River Base and Meridian}, in the ~~Territory~~ ^{State} of ~~Arizona~~, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the ~~United States Surveyor General for~~ ^{Commissioner} ~~of the General Land Office~~ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

See
Subscribed by said Sidney E. Blout, and sworn to before me }
this _____ day of _____, 190

United States Deputy Surveyor
Examiner of Surveys.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona APR 26, 1904

The foregoing field notes of the ^{re} survey of ~~the~~ ^{East boundary of} ~~Township No. 28 North, Range No. 15 East~~ ^{Township No. 28 North, Range No. 15 East} of the ~~Gila and Salt River Base and Meridian, Arizona.~~ ^{Gila and Salt River Base and Meridian, Arizona.}

executed by Sidney E. Blout, U.S. Examiner of Surveys under ~~his contract No.~~ ^{Special Instructions from the Commissioner of the General Land Office}, dated October 2, 1907 and May 15, 1908, 190, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~re~~ surveys they describe, are hereby approved.

Frank A. Ingalls
United States Surveyor General.
SURVEYOR GENERAL OF ARIZONA

I certify that the foregoing transcript of the field notes of the above described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.