

2335

Exterior
BOOK "H"

BOOK 2535

FIELD NOTES

OF THE ^{RE} SURVEY OF THE

*East boundary of Sp. No. 25 No. 17, Range
No. 17 East*

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

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blount, United States ^{Examined of Survey} ~~Deputy Surveyor~~,

Under ~~his Contract No.~~ *Special Instructions from the Commissioner of the General Land Office*, dated *Feb. 2nd 1907, and May 15th 1908* ~~190~~

Re Survey commenced *March 22nd* 1910, ~~190~~

Re Survey completed *March 22nd* 1910, ~~190~~

(A) 78

BOOK 2535

NAMES AND DUTIES OF ASSISTANTS.

<i>Sam L. White</i>	<i>Compassman</i>
<i>Fred L. Warner</i>	<i>Chairman</i>
<i>D. J. White</i>	<i>Chairman</i>
<i>Earl Albright</i>	<i>Chairman</i>
<i>Ralph C. Simpson</i>	<i>Woundman</i>
<i>Chas. L. Shumway</i>	<i>Woundman</i>
<i>William R. Carson</i>	<i>Wagonman</i>

BOOK 2536

INDEX DIAGRAM.

Township *25 North*, Range *17 East*.

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred L. Warner, Carl Albright and D. V. White
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 ^{re} survey of The East boundary of Twp. No. 25 N., Range No. 17 East of the G. & S. R. Base and Meridian, Arizona.

Fred L. Warner, Chainman.
Carl Albright, Chainman.
D. V. White, Chainman.

Subscribed and sworn to before me this 22nd
day of March 1910, ~~190~~

Sidney E. Blous
U.S. Examiner of Surveys



WE, Chas. L. Shumway and Ralph C. Sampson
do solemnly swear that we will well and truly perform the duties of moundmen in the ^{re} establishment of corners, according to the instructions given us, to the best of our skill and ability, in the ^{re} survey of The East boundary of Twp. No. 25 N., Range No. 17 East of the G. & S. R. Base and Meridian, Arizona.

Chas. L. Shumway, Moundman.
Ralph C. Sampson, Moundman.

Subscribed and sworn to before me this 22nd
day of March 1910, ~~190~~

Sidney E. Blous
U.S. Examiner of Surveys



~~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, William R. Carson, 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 ^{re} survey of The East boundary of Twp. No. 25 N., Range No. 17 East of the G. & S. R. Base and Meridian, Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 22nd
day of March 1910, ~~190~~

Sidney E. Blous
U.S. Examiner of Surveys



10

Resurvey commenced March 22nd 1910 and executed with a Wand L. E. Gurley engineers transit No. 76 with a Burk solar attachment. The horizontal limb being provided with one double vernier reading to single minutes of arc. The verniers of the latitude and declination arcs reading to 0° 30' of arc.

Examine the adjustments of the transit and find them to be perfect and know from recent tests of the solar apparatus by comparing the results of observations made on the sun during a.m. and p.m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

Preliminary to beginning the subdivision of this township I retrace the E. bdy. as follows:

At 8⁰⁰ a.m. ^{l.m.t.} set off 35° 35' 3/4" N. on the lat arc.

0° 28' N. on the decl arc. and determine a meridian with the solar at the cor. of T²⁵ N. R. 17 and 18 E., ^{described in Exterior Book "E"} which I re-established June 15th 1908.

Then I run, South, on a random line on the E. bdy. of Sec. 1.; at 40.00 Ch. I make diligent search for the 1/4 sec. cor. but fail to find it; therefore I

continue my ^{random} line making diligent search at each 40.00 and 80.00 Ch. for the 1/4 sec. and sec. cor. on this line none of which I am able to find, and at 6 mi 00 Ch. 04 lks. I intersect the 6th Standard

Parallel. North, 7.73 Ch. S 89° 53' E. of the Standard Cor. of T²⁵ N. R. 17 and 18 E., ^{described in Standard Book "F"} which I re-established

March 21st 1910, Latitude 35° 30' 35" N. Longitude 110° 28' 35" W., and as these townships have not been surveyed I resurvey the range line between them as follows:

March 22nd 1910. At 1^h 15^m p.m. ^{l.m.t.} set off 35° 30' 1/2" N. on the lat. arc. 0° 32' 3/4" N. on the decl. arc. and

determine a meridian with the solar at the re-established Standard Cor. of T²⁵ N. R. 17 and 18 E., ^{described in Standard Book "F"} Then I

resurvey E. bdy. of T. 25 N. R. 17 E.,

North, bet. Secs. 31 and 36.

Descend N. slope over rolling sandy land through scattering sage and greasewood bush undergrowth and bunch grass

40.00 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 base Cop 1/4 336 on W. half and 3 31 on E. half.

2
 Survey of E. boundary of Twp. 25 N. R. 17 E.
 Dakota

BOOK 2535

- Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
- 48.00 Top of descent, level rolling sandy land toward E. and W., enter level adobe land toward E. and W.
- 56.00 Dry sand wash 15 lbs. wide 4 ft. deep course N. 70° W.
- 56.90 Pack trail toward N.W. and S.E.
- 69.00 Level land toward N.W. and S.E., enter low rolling sand hills toward N.W. and S.E. ascend gradually over S.W. slope
- 75.00 Top of sand ridge toward E. and W. desc. gradually.
- 80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for ^{pre-established} cor. of sec. 25, 30, 31 and 36. marked on brass cap T 25 N. in N. half, R 17 E. S 25 in N.W., R 18 E. S 30 in N.E. S 31 in S.E. and S 36 in S.W. quadrants
- Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
- Land level rolling and hilly.
 Soil sandy and adobe 2nd and 3rd rate.
 No timber

- North, bet. Secs. 25 and 30,
 descend N. slope over hilly sandy land through scattering sage and greasewood brush undergrowth and bunch grass
- 2.00 Top of descent in depression toward E. and W., drains to the W. sec
- 25.00 Top of sand ridge 20 ft. high. toward E. and W. desc.
- 36.00 Top of descent in depression toward N.E. and S.W. drains to the S.W. sec.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ^{pre-established} cor. marked on brass cap. 1/4 S 25 on W. half and S 30. on E. half.
- Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
- 80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of sec. 19, 24, 25 and 30 marked on brass cap. T 25 N. in N. half, R 17 E. S 24 in N.W. R 18 E. S 19 in N.E. S 30 in S.E. and S 25

in S.W. quadrant.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land hilly.

Soil sandy 3rd rate.

No timber

North, Twp. Secs. 19 and 24,
around S.E. slope over hilly sandy land through scattering sage and greasewood bush undergrowth and bunch grass.

3,25 Top of sand ridge 30 ft. above cor. bears N.E. and S.W. due

22,35 Dry sand wash 30 lbs. wide course S.W. ave.

35,00 Top of sand ridge bears N.E. and S.W. due. N.W. slope

40,00 Set an iron post. 3 ft. long 1 in. in diam. 26 ins. in the ground for ^{re-established} 4 sec. cor. marked on brass cap. 1/4 S 24 on W. half and S 19 on E half.

Dig pits 18x18x12 ins. N and S. of post. 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

This cor. is situated about 20 ft. below top of ridge

44,00 Foot of descent. Enter low sand hills.

80,00 Set an iron post. 3 ft. long 3 ins. in diam. 24 ins. in the ground for ^{re-established} cor. of sec. 13, 18, 19 and 24, marked on brass cap. T 25 N. in N. half, T 17 E. S 13 in N.W., T 18 E S 18 in N.E. S 19 in S.E. and S 24 in S.W. quadrant.

Dig pits 18x18x12 ins. in each. sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land hilly.

Soil sandy 3rd rate.

No timber

North, Twp. Secs. 13 and 18,

over low rolling sand hills through scattering sage and greasewood bush undergrowth and bunch grass.

Re survey of E. ldy. of Twp 25 N, R17E.
Chain

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ^{re-established} $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S13 on W. half and S18 on E. half.

Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for ^{re-established} $\frac{1}{4}$ cor. of sec. 7, 12, 13 and 18. marked on brass cap T 25 N. in N. half, R17E S12 in N.W.

R18E S7 in N.E. S18 in S.E. and S13. in S.W. quadrants Dig pits 18 x 18 x 12 ins. in each sec 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land hilly.

Soil sandy 3rd rate.

No timber.

North, Twp. sec. 7 and 12,

Over rolling sandy land through scattering sage and greasewood brush and bunch grass

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ^{pre-established} $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S12 on W. half and S7 on E. half.

Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for ^{re-established} $\frac{1}{4}$ cor. of sec. 1, 6, 7 and 12. marked on brass cap T 25 N. in N. half, R17E. S1 in N.W. R18E.

S6 in N.E. S7 in S.E. and S12 in S.W. quadrants

Dig pits 18 x 18 x 12 ins. in each. sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land hilly and rolling

Soil sandy 3rd rate.

No timber

North, Twp. sec. 1 and 6,

Across S.E. slope over hilly sandy land. Through scattering sage and greasewood brush undergrowth

Re Survey of the Cobbley of Twp 25 N. R 17 E.

and bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for ^{re-established} 4 sec. cor. marked on base Cop 1/4 31 on W. half and S 6. on E. half. Dig pits 18x18x12 in. N and S. of post. 3 ft. dia. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

80.04 Disturb No. 1 day of Twp. 7.73 Ch. N 89° 56' W. of the Cor. of Twp. 25 and 26 N. R's 17 and 18 E., re-estab. by me June 15, 1908 as described in Exterior Book "G"
 Set an iron post. 3 ft. long, 3 in. in diam. 24 in. in the ground for closing cor. of Twp. 25 N. R's 17 and 18 E., marked on base Cop. T 26 N. R 17 E S 36, T 18 E S 31 in N. half, C.C. T 25 N. in S. half. T 18 E S 6 in S.E. and T 17 E. S 1 in S.W. quadrant. Dig pits 30x24x12 in. crosswise, on each line East W. 4 ft. and S. of post. 8 ft. dia. and raise a mound of earth 5 ft. base 2 1/2 ft. high S. of cor.
 I changed the cor. of Twp 25 and 26 N. R's 17 and 18 E. from a Cor. Common to four Twp. to a Cor. Common to two Twp.
 Land hilly
 Soil sandy 3rd rate
 No timber

March 22nd 1910

Boundaries of Township N° 25 North, Range N° 17 East, LATITUDES, DEPARTURES & CLOSING ERRORS.

LINE DESIGNATED	TRUE Bearing	DIST.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary (6th Std. Par. North)	N 89° 53' W.	479.52	0.98			479.52
West Boundary (4th Guide Mer. E.)	North	480.00	480.00			
North Boundary	S 89° 56' E	479.29		0.56	479.29	
East Boundary	South	480.04		480.04		
Convergence						.51
Totals			480.98	480.60	479.80	
			480.60		479.52	
	Error in Lat. →		0.38	Error in Dep →	.28	

- Sidney C. Bleat -
 U. S. Examiner of Surveys.

U.S. EXAMINER OF SURVEYS
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blous
Examiner of Surveys
~~United States Deputy Surveyor~~, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the ^{re} survey of the East boundary
of Twp. No. 25 N. R. No. 17 E. of the G. & S. R. Base and Meridian, Arizona.
showing the respective capacities in which they acted:

- Fred L. Warner Paul L. White Compassman
Chainman.
- T. J. White Chainman.
- Carl Albright Chainman
Moundman.
- Ralph C. Sampson and Chas L. Shumway Moundmen.
- ~~Asman.~~
- ~~Asman.~~
- William A. Carson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blous
Examiner of Surveys
~~United States Deputy Surveyor~~, in surveying all
those parts or portions of the East boundary of Twp. No. 25 N. Range No.
17 East

of the Gila and Salt
River Base and Meridian, in the Territory of Arizona, which are represented
in the foregoing field notes as having been ^{re} surveyed by him and under his direction; and that said ^{re} survey
has been in all respects, to the best of our knowledge and belief, well and faithfully ^{executed} surveyed, and the
corner monuments ^{established}, according to the instructions furnished by the ~~United States Surveyor~~ Commissioner

- ~~General for~~ of the General Land Office Paul L. White Compassman
Fred L. Warner Chainman.
- T. J. White and Carl Albright Chainmen.
- Chas L. Shumway Moundman.
- Ralph C. Sampson Moundman.
- ~~Asman.~~
- ~~Asman.~~
- William A. Carson Flagman.

Subscribed and sworn to before me this 22nd
day of March 1910, ~~190~~

Sidney E. Blous
U.S. Examiner of Surveys



88
BOOK 2535

FINAL OATH OF ~~UNITED STATES~~ ^{EXAMINER OF SURVEYS} ~~DEPUTY SURVEYOR~~

I, Sidney E. Blout, ^{Examiner of Surveys} ~~United States Deputy Surveyor~~, do solemnly swear that, in pursuance of ^{Special Instructions} ~~contract~~ received from ^{the} ~~United States Surveyor General~~ for ^{Commissioner of the General Land Office} ~~the~~, bearing date of the ^{2nd day of Oct. 1907 and the 15th day of May 1908} ~~1907~~, 190⁸, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ^{Commissioner} ~~United States Surveyor General~~ of the ^{General Land Office} ~~General~~, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The East Boundary of Twp. N. 25 N., Range No. 17 East.

Blout of the Gila and Salt River Base and Meridian, in the Territory 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 ^{Commissioner} ~~United States Surveyor General~~ of the ^{General Land Office} ~~General~~ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

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 25, 1904

The foregoing field notes of the survey of the
East boundary of Township N. 25 North, Range N. 17 East of the
Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blout - U.S. Examiner of Surveys
under ^{Special Instructions from the Commissioner of the General Land Office} ~~contract~~ No. _____, dated October 2, 1907 and May 15, 1908, 190~~8~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
^{United States Surveyor General.}

~~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~~