

MAR 28 1911

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Exterior
BOOK-Y

2552

BOOK 2552

FIELD NOTES

OF THE SURVEY OF THE

North Boundary of Twp. 30 N. of Range No. 16 East.

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

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Wiley E. Stout

Examined of Survey

United States ~~Deputy Surveyor~~

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

Survey commenced *May 24th*, 1909

Survey completed *May 25th*, 1909

NAMES AND DUTIES OF ASSISTANTS.

Van L. White ———— Compassman

Lafayette Jennings Chairman

> Charles L. Shumway Chairman

> Fred L. Warner Woundman

Arthur A. Beard Axman

Jay E. Fellick Flagman

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BOOK 2552

INDEX DIAGRAM.

North Bdry. Township 30 North, Range 16 East

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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 "P"

Survey commenced May 24th 1909. And, executed with a W & L. E. Gulley engineers transit, with a Burt Solar attachment. The horizontal limb is provided with our double vernier reading to single minutes of arc., the verniers of the latitude and declination arcs reading to 0° 30" of arc. I examined the adjustments of the transit and find them to be perfect, and know from recent tests of the solar, by comparing its indications resulting from solar observations, made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, that the instrument is in satisfactory adjustment, therefore I proceed to the cor. of townships 30 and 31 N. R's 16 and 17 E. ^{on 4th Guide Meridian East} which I established March 23rd 1904, ^{as described in Standard Book B, m. f.} and at 7^h 15^m a.m. set off 35° 02' N. on the lat. arc. 20° 44' N. on the decl. arc and determined a meridian with the solar,

Thence I run,

N. 89° 59' W. on a random line, along the N. bdy. of Twp. 30 N. R16 E. setting tulp. ¼ sec. and sec. cor. at intervals of 4000 chs.; and at 478.60 chs intersect the West boundary of the Twp. 16 lbs. S. of the cor. of Twp. 30 and 31 N. R's 15 and 16 E. which I established May 12th 1909, as described in Exterior Book "X". The falling answers to a correction of 0° 01' on 2½ lbs. N. per. mile counting from the N.E. cor. of the Twp.

May 24th 1909.

May 25th 1909. At 8^h 30^m a.m. ^{l.m.t.} set off 36° 02' N. on the lat. arc. 20° 57½' N. on the decl. arc. and determine a meridian with the solar at the cor. of Twp. 30 and 31 N. R's 15 and 16 E. ^{described in Exterior Book "X"} Thence I run

S 89° 58' E., bet. sec. 6 and 31, marking and blazing the true line.

Ascend S.W. slope over rolling sandy land through heavy pinon pine and cedar timber.

22.00 Top of ridge head N and S., descend.

38.60 Set an iron post 3/4 long 1 in. in diam 26 in. in the ground for ¼ sec. cor. marked on brass cap. ¼ 3 31

North boundary of P/s 30 N, R16 E.

2

Chain

- on N. half and S 6 on S. half. from which.
 A cedar 8 ins. in diam. bears $N 13^{\circ} E$ 132 lks. dist.
 marked $\frac{1}{4}$ S 31 B.T.
- A juniper pine 8 ins. in diam. bears $S 75^{\circ} \frac{1}{4} E$ 225 lks.
 dist. marked $\frac{1}{4}$ S. 6 B.T.
- 45.50 Begin abrupt rocky descent over E. slope.
- 56.80 Dry ravine course south. ascend W. slope of adobe
 ridge.
- 60.50 Top of ridge bears N and S. desc E slope
- 64.50 Dry ravine course S.W. ascend N.W. slope
- 78.60 Set an iron post 3 ft long 3 ins in diam. 24 ins in
 the ground for cor. of Secs. 5, 6, 31 and 32. marked
 on brass cap. T 31 N S 32 in N.E. T 30 N, 35 in S.E. S 6
 in S.W. and S 31 in N.W. quadrant. R16 E. on E. half
 from which.
 A juniper pine 6 ins. in diam bears $N 43^{\circ} \frac{1}{2} E$ 123 lks
 dist. marked T 31 N. R16 E S. 32 B.T.
- A cedar 6 ins. in diam bears $S 42^{\circ} E$ 179 lks. dist.
 marked T 30 N. R16 E. S 5 B.T.
- A juniper pine 8 ins in diam. bears $S 50^{\circ} W$ 166 lks.
 dist. marked T 30 N. R16 E. S 6 B.T. and
- A cedar 4 ins in diam. bears $N 13^{\circ} W$ 63 lks. dist.
 marked T 31 N. R16 E S 31 B.T.
- Land hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Juniper pine and cedar.
-
- $S 89^{\circ} 58' E$, bet. sec 5 and 32,
 Ascend W. slope over stony land through juniper
 pine and cedar timber
- 6.50 Leave stony land bears N and S. enter sandy
 land bears N and S.
- 29.50 Top of high sand ridge bears N.E. and S.W.
 descend gradually over S.E. slope
- 40.00 Set an iron post 3 ft long 1 in in diam. 26 ins
 in the ground for $\frac{1}{4}$ sec cor. marked on brass
 cap. $\frac{1}{4}$ S. 32 on N. half and S 5 on S. half.
 from which.
 A juniper pine 4 ins. in diam bears $N 56^{\circ} E$
 162 lks. dist. marked $\frac{1}{4}$ S 32 B.T.
- A cedar 4 ins. in diam. bears $S 41^{\circ} \frac{3}{4} E$ 130 lks. dist.
 marked $\frac{1}{4}$ S. 5 B.T.

Chain

3

47.25 Top of sand stone ledge 15 ft. high, leave sandy land bears N.E. and S.W., enter stony land bears N.E. and S.W. desc. abruptly?

51.50 Leave stony land bears N.E. and S.W. enter sandy land bears N.E. and S.W. desc. gradually

57.55 Dry ravine course N.E. and

58.50 Leave timber bears N.E. and S.W.

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

74.80 Dry ravine course S.E.

77.50 Dry ravine course S.W. ascend.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of sec. 4, 5, 32 and 33, marked on brass cap. T 31 N. S. 33 in N.E. T 30 N. S. 4 in S.E. 35 in S.W. and S 32 in N.W. quadrant. R 16 E. in E. half

Raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.

Pits impracticable

Land hilly

Soil sandy and stony 3rd and 4th rate.

Timber pine and cedar.

S 89° 58' E, bet. sec 4 and 33, ascend steep rocky W. slope over hilly land

7.40 Top of rocky ridge bears N and S. desc S.E. slope.

40.00 Set an iron post 3 ft. long 1 in in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 33 on N half and S 4 on S half Dig pits 18x18x12 ins E and W. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor

50.60 Leave stony land bears N.E. and S.W. enter sandy land bears N.E. and S.W.

51.50 Mouth of descent. leave hilly land bears N.E. and S.W., enter level sandy and adobe land bears N.E. and S.W.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of sec. 3, 4, 33 and 34. Marked on brass cap. R. 16 E. on E half. T 31 N. S 34 in N.E. T 30 N. S 3 in S.E. S 4 in S.W. and S 33 in N.W. quadrant.

North boundary of Twp 30 N. R. 16 E.

4

Chain

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 and hilly.

Soil sandy and stony 3rd and 4th rate.
No timber.

NOTE: On this Cor. I set off 20° 58' N. on the decl. arc and at noon observed the sun on the meridian and obtain on the lat. arc. a reading of 36° 02' N.

S. 89° 58' E., bet. sec. 3 and 34,

Over level sandy land through sage and greasewood brush underneath and scattering bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 24 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 34 on N. half and S 30 on S half

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

71.65 Right bank of the De Nebito Wash 15 ft. high head N.E. and S.W.

73.00 Center of wash (dry) course S.W.

75.15 Left bank of the De Nebito Wash 15 ft. high head N.E. and S.W., ascend gradually over N.W. slope over rolling land

80.00 Set an iron post. 3 ft. long 3 ins. in diam. 24 ins. in the ground for cor. of sec. 2, 3, 34 and 35 marked on brass cap. T. 16 E. on E. half T 31 N S 35 in N.E. T 30 N. 32 in S.E. S 3 in S.W. and S 34 in N.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 and rolling

Soil sandy and adobe. 2nd rate.

No timber

S. 89° 58' E., bet. sec. 2 and 35.

Ascend N.W. slope over rolling sandy land through sage and greasewood brush underneath.

chains

5

and bunch grass
40.00 Set an iron post 3 ft. long 1 in in diam. 26
ins. in the ground for $\frac{1}{4}$ sec. cor. marked
on brass cap $\frac{1}{4}$ S 35 on N. half and S 2 on
S half.

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

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24
ins. in the ground for cor. of sec. 1, 2, 35 and 36
marked by brass cap N 16 E on E half. T 31 N. S 36
in N.E. T 30 N. S 31 in S.E. S 2 in S.W. and S 35
in N.W. quadrants.

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

Land rolling.

Soil sandy 2nd and 3rd rates.

No timber

S 89° 58' E., bet. sec 1 and 36,

ascend N.W. slope over rolling sandy land through
sage and greasewood, brush undergrowth
and bunch grass

40.00 Set an iron post 3 ft. long 1 in in diam. 26
ins. in the ground for $\frac{1}{4}$ sec. cor. marked
on brass cap $\frac{1}{4}$ S 36 on N. half and S 1 on
S half.

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

80.00 Intersect the Cor. of Twp. 30 and 31 N., R 16
and 17 E. on 4th Guide Meridian East, described in Standard
Book "B."

Land rolling

Soil sandy 3rd rate.

No timber

May 25th 1907

Boundaries of T¹/₄ 30 N., R 16 E.
 Latitudes Departures and Closing Errors.

LINE DESIGNATED	TRUE BEARING	DISTANCE	LATITUDE		DEPARTURE	
			N	S	E	W
South Boundary	N 89° 59' W	479.76	0.14			479.76
West Boundary	North	480.00	480.00			
North Boundary	S 89° 58' E	478.60		28	478.60	
East Boundary (4 th Guide Meridian East)	South	480.00		480.00		
Convergency Totals			480.14	480.28	51	479.76
			Error in lat. 480.14	14	Error in Def. 51	479.76
						Error in Def. .65

General Description

This township is hilly and mountainous in the southern part, hilly in the central and eastern parts and rolling in the western and northern parts, with some level land in the north western part.

The greater part of the township is prairie land.

The township is poorly watered and poorly timbered, the soil of the north western part is a sandy loam and valuable for agricultural purposes.

The township should be surveyed.

Sidney E. Blood
 U. S. Examiner of Surveys

U.S. EXAMINER OF SURVEYS
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.
SAME APPLIES TO EXTERIOR BOOKS "P..Q..R..S..T..U..V..W.. AND..X"

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blout
Examiner of Surveys
United States Deputy Surveyor, to assist in running, measuring, and
in this book and Exterior Books P.Q.R.S.T.U.V.W and X
marking the lines and corners described in the foregoing field notes, of the survey of The Exterior

Boundaries of Twp 29 and 30 N., R 15, 16, 17, 18, 19 and East, of the
G. & S. R. Base & Meridian, Arizona.
showing the respective capacities in which they acted:

- David White Compassman
- Ralph T. Westraud and Jay E. Jellick and Chas. L. Shumway Chainmen.
- Arthur A. Beard and Lafayette Jennings Chainmen.
- Fred L. Warner Moundman.
- Chas. L. Shumway Moundman
- Chas. L. Shumway and Lafayette Jennings Armen
- Arthur A. Beard Armen
- Harry Lake May and Jay E. Jellick Flagmen.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blout
Examiner of Surveys
United States Deputy Surveyor, in surveying all
those parts or portions of the The Exterior Boundaries of Twp 29 and 30 North
of Ranges 15, 16, 17, 18, 19 and East.

..... of the Grand Salt
River Base and meridian, in the Territory of Arizona, which are represented
in this book and Exterior Books P.Q.R.S.T.U.V.W and X
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} surveyed, and the
corner monuments established, according to the instructions furnished by the United States Commissioner
Surveyor

- General for of the General Land Office
Wm L. White - Compassman and Jay E. Jellick Chairman.
- Ralph T. Westraud and Chas. L. Shumway Chainmen.
- Arthur A. Beard Chairman
Moundman.
- Fred L. Warner and Chas. L. Shumway Moundmen.
- Lafayette Jennings and Arthur A. Beard Armen.
- Chas. L. Shumway Armen.
- Jay E. Jellick Flagman.
- Harry Lake May Flagman.

Subscribed and sworn to before me this 11th
day of June, 1909

Sidney E. Blout
U.S. Examiner of Surveys



U. S. EXAMINER OF SURVEYS
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.
(same applies to Exterior Books P, Q, R, S, T, U, V, W and X)

I, Sidney E. Blout, Examiner of Surveys, United States Deputy Surveyor, do solemnly swear that, in pursuance of Special Instructions received from the Commissioner of the General Land Office, bearing date of the 2nd day of October 1907 and the 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 Commissioner General for the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Exterior boundaries of Townships N^o 29 and 30 North, Ranges 15, 16, 17, 18 and 19 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 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 Commissioner General for 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 surveys

Sidney E. Blout
United States Deputy Surveyor
Examiner of Surveys

Subscribed by said Sidney E. Blout, and sworn to before me }
this 1st day of December, 1909
Further sworn to before me by
Sidney E. Blout, U.S. Surveyor, this
28th day of March, 1911.

W. N. Burbock
Notary Public

Frank S. Ingalls
U.S. Surveyor General for Arizona.
APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25, 1911

The foregoing field notes of the survey of the
North boundary of
Township N^o 30 North, Range N^o 16 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
his contract No. _____, 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 surveys they describe, are hereby approved.

Frank S. 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.