

BOOK "J."

BOOK 2636

FIELD NOTES

OF THE SURVEY OF ~~THE~~

PARTS OF THE

East and West boundaries

RETRACEMENT OF

Part of the East boundary

AND RESURVEY OF

Part of South boundary (3rd Standard Parallel North)

OF

TOWNSHIP N° 13 NORTH - RANGE N° 6 WEST

Of the Gila and Salt River Base and Meridian,

ARIZONA

In the State of

EXECUTED BY

SIDNEY E. BLOUT

In the capacity of U. S. Surveyor, under instructions dated May 29, 1912,

issued by the United States Surveyor General to govern surveys included in Group No. 20, which were approved by the Commissioner of the General Land

Office, June 20, 1912, pursuant to authority contained in the Act of

Congress dated August 23, 1912

Survey Retracement & Resurvey commenced May 10, 1913

Survey Retracement & Resurvey completed May 17, 1913

BOOK 2636

INDEX DIAGRAM.

Township 13 North, Range 6 West.

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Survey of completion of East boundary of T 13 N., R 6 W.

- Chains. therefore, the course consists of the N. $\frac{1}{2}$ mile, is N. $0^{\circ}10'E.$, 40.62 chs. I commence at the $\overset{old}{\Delta}$ cor. of secs. 7, 12, 13, and 18, just described, Thence I run,
- North, on a random line, on fractional east boundary of secs. 12 & 7, T. 13 N., R. 6 W., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs., and at 171.70 chs., intersect the N. $\frac{1}{2}$ mi. of T. 13 N., R. 5 W., 10 lks. E. of the $\overset{old}{\Delta}$ cor. of Tps. 13 and 14 N., Rs. 5 and 6 W., which is a malpais stone 12x10x6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
- The falling answers to a correction of $0^{\circ}02'$, or 5 lks. W. per mile counting from the $\overset{old}{\Delta}$ cor. of secs. 7, 12, 13, and 18.; therefore I run,
- S. $0^{\circ}02'E.$, bet. secs. 1 and 6., marking and blazing true line. Over rolling stony mesa land, through scattering greasewood brush undergrowth, 3 ft. high.
- 25.25 Begin descent, over SE. slope.
- 36.75 Dry ravine, 10 lks. wide, course E. asc.
- 51.00 Top of ascent, on E. edge of mesa, bears NW. and SE., thence over rolling land.
- 51.70 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 $\overset{1913}{\Delta}$ S 1 in W. half and S 6 in E. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable.
- 54.21 South edge of mesa, leave rolling land, bears NE. and SW., descend abrupt rocky SE. slope, over mountainous land.
- 63.90 Dry ravine, 20 lks. wide, course SE., asc.
- 76.70 Top of spur, bears E. and W., desc. abruptly. into canyon.
- 91.70 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7, and 12., marked on brass cap $\overset{1913}{\Delta}$ T 13 N. in N. half. R 6 W., S 1 in NW., R 5 W., S 6 in NE. S 7 in SE. and S 12 in SW. quadrant., from which
- A cottonwood, 18 ins. in diam., bears S. $18\frac{1}{2}^{\circ}E.$, 83 lks. dist., marked T13N., R5W., S7 BT. and
- A cottonwood, 24 ins. in diam., bears S. $24\frac{1}{4}^{\circ}W.$, 131 lks. dist., marked T13N., R6W., S12 BT.; No other trees within limits. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable.
- N. 25 chs., rolling prairie mesa land, S. slope; soil dark stony and adobe clay loam 12 ins. deep on clay subsoil. good growth bunch grass. S. 66.70 chs. rough mountains; spurs steep with poor worthless stony loam on underlying malpais stone ledges., light growth bunch grass. No timber on line.
- Note: At this cor. I set off $18^{\circ}09\frac{1}{2}'N.$ on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $34^{\circ}30'N.$ on the lat. arc.
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- S. $0^{\circ}02'E.$, bet. secs. 7 and 12,
Descend steep rocky SE. slope, over mountainous land, through scattering greasewood brush undergrowth, $2\frac{1}{2}$ ft. high.
- .70 Dry ravine, 25 lks. wide, in bottom of canyon, 400 ft. below top of mesa, course S. $70^{\circ}W.$, ascend NW. slope of spur.
- 11.00 Top of spur, bears N. $70^{\circ}E.$ and S. $70^{\circ}W.$, desc.
- 16.50 Dry ravine, 30 lks. wide, in canyon, 100 ft. deep, course SW., asc.
- 26.00 Top of spur, bears NE. and SW., desc.
- 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 $\overset{1913}{\Delta}$ S 12 in W. half and S 7 in E. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.; Pits impracticable.
- 44.75 Dry ravine, 25 lks. wide, course SW., asc.
- 55.00 Top of spur, bears NE. and SW., desc.
- 65.15 Road from Prescott to Phoenix, Arizona, bears E. and W.
- 67.10 Dry ravine, 15 lks. wide, course NW., asc.
- 80.00 Intersect the $\overset{old}{\Delta}$ cor. of secs. 7, 12, 13, and 18., hereinafter described.
Land, rolling and mountainous.

BOOK 2636

Survey of ~~Completion~~ of East boundary of T 13 N., R 6 W.

Chains.

Soil, light poor stony loam, 8 to 20 ins. deep, on clay and shale subsoil, very light growth bunch grass. No timber.

May 12, 1913.

Sidney E. Blount
U.S. Surveyor

Resurvey of the 3 rd. Standard Parallel North through part of R.6 W.

- Chains. Resurvey commenced May 13, 1913. and executed with a Young and Sons light mountain transit No. 10 with a Smith solar attachment, The horizontal limb being 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.
- I examine the adjustments of the transit and find them to be correct, and from recent tests of the solar apparatus, by comparing its indications, resulting from solar observations, made during a.m., and p.m. hours, with a meridian established by observation on Polaris I know that the instrument is in satisfactory adjustment.
- I begin at the ^{old} standard cor. of Tps. 13 N., Rs. 5 and 6 W., which is a malpais stone, 12x8x5 ins., lying on a mound of stone, marked 6 notches on E. and W. edges, with no cor. accessories.; latitude $34^{\circ}25'43''$ N., longitude $112^{\circ}49'54''$ W. The magnetic bearing of the meridian at $8^{\text{h}} 00^{\text{m}}$ a.m. l.m.t. is $N.14^{\circ}10' W.$, the angle thus determined gives the mag. decl. $14^{\circ}10' E.$
- At $7^{\text{h}} 55^{\text{m}}$ a.m., l.m.t. I set off $34^{\circ}25\frac{1}{2}''$ N. on the lat. arc, $18921'$ N. on the decl. arc, and determine a meridian with the solar at the above described cor. Thence I run West, on a random line on S. bdry. of sec. 36. At 40.00 chs. I make a diligent search for the ^{old} standard $\frac{1}{4}$ sec. cor., which I fail to find., therefore I continue my random line West and at 80.24^{chs} fall 12 lks. N. of the ^{old} standard cor. of secs. 35 and 36., which is a malpais stone $14 \times 12 \times 4$ ins. lying on a mound of stone, marks almost too dim to read. No cor. accessories. Therefore the course & dist. of S. bdry. of sec. 36. is $N. 89^{\circ}55' E., 80.24$ chs.
- From ^{ABOVE DESCRIBED OLD} standard cor. of secs. 35 and 36, I run West, ^{ON RANDOM LINE} on S. bdry. of sec. 35. At 40.00 chs. I make a diligent search for the old standard $\frac{1}{4}$ sec. cor., which I fail to find., therefore I continue my ^{RANDOM} line West and at 80.16 chs. fall 18 lks. N. of the old standard cor. of secs. 34 and 35, which I find to be an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap, T13N.S34 in NW. and R6W.S35 in NE. quadrant., with a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Therefore ^{BEARING & DIST. OF THE} S. bdry. of sec. 35, is $N. 89^{\circ}57' E., 80.16$ chs.
- I find from further investigation that the survey of the 3 rd. standard parallel N. through the west four miles of this range has already been completed., and since the old standard $\frac{1}{4}$ sec. cor. on S. bdry. of secs. 35 and 36, could not be found, I resurvey the 3 rd. standard parallel N. through the east two miles of this range as follows;
- From the ^{ABOVE DESCRIBED OLD} standard cor. of secs. 34 and 35, I run, $N. 89^{\circ}57' E.$, on a true line, on S. bdry. of sec. 35, Over rolling stony land, slopes to SE.
- 10.65 The ^{old} closing cor. of secs. 2 and 3, T 12 N., R 6 W., heretofore described.
- 13.40 Dry ravine, 14 lks. wide, course NW., ascend gradually.
- Difference between measurements of 40.08 chs. by two sets of chainmen is 4 lks.; position of middle point
- By 1 st. set 40.10 chs.
- By 2 nd. set 40.06 chs.; the mean of which is
- 40.08 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ^{REESTAB.} standard $\frac{1}{4}$ sec. cor., marked on brass cap ^{19/3} $\frac{1}{4}$ S 35 in N. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; Pits impracticable.
- 43.40 Telegraph line, bears NE. and SW.
- 55.60 Center of SFP&P. Ry. track, bears NE. and SW.
- Difference between measurements of 80.16 chs. by two sets of chainmen is 6 lks.; position of middle point
- By 1 st. set, 80.19 chs.
- By 2 nd. set, 80.13 chs.; the mean of which is,
- 80.16 Intersect the ^{old} standard cor. of secs. 35 and 36.; This cor. being in a state of dilapidation I destroy all evidence of the old cor. and re-establish it in the same place as follows; Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for standard cor. of secs. 35 and 36, marked on brass cap ^{19/3} T13N., R6W. in N. half. S35 in NW. and S36 in NE. quadrant.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; Pits impracticable.
- Land, rolling prairie; soil, light, poor, stony loam, 12 ins. deep, dry, on clay subsoil, good growth of bunch grass. No

Resurvey of the 3 rd. Standard Parallel North through part of R. 6 W.
Chains. timber.

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- FROM ^{ABOVE DESCRIBED REESTAB.} standard cor. of secs. 35 and 36, I run
N. 89°55'E, on a true line, on S. bdry. of sec. 36,
Over rolling stony mesa land, through scattering greasewood
brush undergrowth 2 ft. high.
- 4.50 Center of the SFP&P. Ry track, bears NW. and SE.
6.70 Telegraph line, bears NW. and SE.
Difference between measurements of 40.12 chs. by two sets
of chainmen is 2 lks.; position of middle point
By 1 st. set 40.13 chs.
By 2 nd. set 40.11 chs.; the mean of which is
- 40.12 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the
ground, for ^{REESTAB.} standard $\frac{1}{4}$ sec. cor., marked on brass cap ^{13/32} $\frac{1}{4}$ S 36
in N. half.; Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N.
of cor.; Pits impracticable.
- 57.00 Dry ravine, 20 lks. wide, course NW, ascend gradually.
68.30 Telegraph line, bears N. 80°E. and S. 80°W.
69.15 Center of the SFP&P. Ry. track, bears N. 80°E. and S. 80°W.
Difference between measurements of 80.24 chs. by two sets
of chainmen is 4 lks.; position of middle point,
By 1 st. set, 80.26 chs.
By 2 nd. set, 80.22 chs.; the mean of which is
- 80.24 Intersect the ^{OLD} standard cor. of Tps. 13 N., Rs. 5 and 6 W.
this cor. being in a state of dilapidation, I destroy all
evidence of the old cor. and re-establish it in the same
place as follows; Set an iron post, 3 ft. long, 3 ins. in
diam., 24 ins. in the ground, for ^{REESTAB.} standard cor. of Tps. 13 N.
Rs. 5 and 6 W., marked on brass cap ^{3/32} T13N. in N. half. R6W.,
S36 in NW. and R5W., S31 in NE. quadrant.; Raise a mound of
stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.; Pits impracticable.
Land, rolling prairie, NE. slope. soil, light, poor, stony adobe
loam, 8 to 12 ins. deep, dry, on clay subsoil. good growth of
bunch grass. No timber.
- NOTE: At this cor. I set off 18°23' N. on the decl. arc, and at noon
observe the sun on the meridian and obtain a reading of
34°25 $\frac{1}{2}$ ' N. on the lat. arc.

May 13, 1913.

Sidney E. Blout
U. S. Surveyor

Portion of West boundary of T.13 N., R 6 W.

Chains. Survey commenced, May 17, 1913, and executed with a Young and Sons light mountain transit No. 10 with a Smith solar attachment, The horizontal limb being 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.

I examine the adjustments of the transit and find them to be correct and from recent tests of the solar apparatus by comparing its indications resulting from solar observations, made during a.m., and p.m. hours, with a meridian established by observations on Polaris, I know that the instrument is in satisfactory adjustment.

I begin at the ^{0.00} standard cor. of Tps. 13 N., Rs. 6 and 7 W., which is an iron post, 3 ins. in diam., 12 ins. above ground, firmly set, marked on brass cap, T13N. in N. half. R7W. S36 in NW. and R6W., S31 in NE. quadrant., with a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.; latitude 34°25'43"N., longitude 112°56'12"W.

All measurements were made with a 5.00 chain steel tape and clinometer for determining slope angles.

At 6^h 55^m a.m., l.m.t. I set off 34°25 1/2' N. on the lat. arc, 19°18' N. on the decl. arc, and determine a meridian with the solar at the above described Tp. cor.

Thence I run,
 North, on a random line on W. bdry of Tp. setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs., and at 481.75 chs., intersect S. bdry of T. 14 N., R. 7 W., 230 lks. W. of the ^{0.00} cor. of Tps. 13 and 14 N., Rs. 6 and 7 W., heretofore described.

I return to the ^{0.00} standard cor. of Tps. 13 N., Rs. 6 and 7 W., and make my random line the true line as follows;
 North, bet. secs. 31 and 36,
 Ascend S. slope, over stony mountainous land, through scattering greasewood and cat claw brush undergrowth, 3 ft. high.

30.00 Top of spur, bears E. and W., desc.
 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 ¹⁹¹³ 1/4 S 36 in W. half and S 31 in E. half.; Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.; Pits impracticable.

45.50 Dry ravine, 10 lks. wide, course NE. asc.
 53.50 Top of spur, bears NE. and SW., desc.
 63.10 Dry ravine, 15 lks. wide, course NE., asc.
 65.00 Top of ridge, bears NE. and SW., desc.
 72.95 Dry ravine, 15 lks. wide, course SE., asc.
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31, and 36., marked on brass cap ¹⁹¹³ T13N. in N. half. R7W. S25 in NW., R6W., S30 in NE., S31 in SE. and S36 in SW. quadrant.; Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.; Pits impracticable.

Land, mountainous; soil, light, sandy and decomposed granite loam, on clay and decomposing granite subsoil, light growth bunch grass. Timber, scattering scrub cat claw.

North, bet. secs. 25 and 30,
 Ascend SE. slope, over stony mountainous land, covered with granite boulders.

7.30 Top of granite ridge, bears NW. and SE., desc.
 12.90 Dry ravine, 10 lks. wide, course SE. asc.
 22.40 Telephone line, from Hillside, Arizona, to the Hillside Mine, bears NW. and SE.
 24.00 Top of ridge, bears NE. and SW., desc.
 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 ¹⁹¹³ 1/4 S 25 in W. half and S 30 in E. half.; Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.; Pits impracticable.

47.40 Dry ravine, 20 lks. wide, course NE. asc.
 54.00 Top of rocky spur, bears E. and W., desc.
 57.70 Dry ravine, 6 lks. wide, course east, asc.
 61.30 Top of rocky spur, bears E. and W., desc.
 73.20 Dry ravine, 20 lks. wide, course NW. asc.
 74.85 Dry ravine, 12 lks. wide, 3 ft. deep, course SW.

Portion of West boundary of T.13 N., R 6 W.

Chains.

75.95 Road from Hillside, Arizona to the Hillside Mine, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, marked on brass cap 1913; T 13 N. in N. half. R 7 W., S 24 in NW., R 6 W., S 19 in NE., S 30 in SE. and S 25 in SW. quadrant.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable. Land, mountainous, covered with granite boulders; soil, light, poor, sandy loam, with considerable decomposed granite stone, spurs, steep washed on slopes, stony, light growth of bunch grass. No timber.

Note: The line north of this cor. crosses a high mountain ridge, covered with huge granite boulders, impracticable to survey, and as there is no agricultural land near this line in either township I discontinue the survey of the line at this cor.

NOTE: At the ^{ABOVE DESCRIBED} cor. of secs. 19, 24, 25, and 30, I set off $19^{\circ}20'$ N. on the decl. arc, and at noon, observe the sun on the meridian and obtain a reading of $34^{\circ}27\frac{1}{2}'$ N. on the lat. arc.

May 17, 1913.

Sidney E. Blunt
U. S. Surveyor

BOOK 2636


FINAL OATH OF UNITED STATES SURVEYOR.

see Book " 0 " Group 20

I, _____, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191 _____, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed 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 U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 191 _____ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, July 27 _____, 1914

The foregoing field notes of the survey of parts of the East and West boundaries
Retracement of part of the East boundary and
Resurvey of part of the South boundary (3rd Standard Parallel North)
Township No .13 North, Range No .6 West
of the Gila and Salt River Base and Meridian
Arizona

executed by Sidney E. Blout, U.S. Surveyor
 under his special instructions dated May 29 _____, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retacements and resurveys surveys, they describe, are hereby approved.

Frank S. Lyall
 U. S. 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.~~