

BOOK "F" BOOK 2632

FIELD NOTES

OF THE SURVEY OF ~~THE~~
PART OF THE*East Boundary of**TOWNSHIP No 9 NORTH, RANGE No 2 EAST**Of the Gila and Salt River Base and Meridian,**In the State of Arizona*

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 commenced February 4, 1913**Survey completed February 5, 1913*

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INDEX DIAGRAM.

Township 9 North, Range 2 East.

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Portion of East boundary of T.9 N., R.2 E.

Chains:

- Survey commenced February 4, 1913 and executed with a Young and Sons light mountain transit No. 10 with 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. I examine the adjustments of the transit and find them correct, and know from recent tests of the solar apparatus by comparing the results of a.m., and p.m. observations on the sun, with a meridian established by observation on Polaris, that the instrument is in satisfactory adjustment. I begin at the Standard cor. of Tps. 9 N., Rs. 2 and 3 E., which is a malapais stone 12x10x5 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. latitude $34^{\circ}04'21''$ N.; longitude $112^{\circ}05'52''$ W. All measurements were made with a 5.00 chain steel tape, with clinometer for determining slope angles. The magnetic bearing of the meridian at $8^{\text{h}}00^{\text{m}}$ a.m. is $N14^{\circ}30'W.$; the angle thus determined gives the mag. decl. $14^{\circ}30'E.$ Feb. 4¹⁹¹³ At $8^{\text{h}}14^{\text{m}}$ a.m., l.m.t. I set off $34^{\circ}04'N.$ on the decl. arc, $16^{\circ}14'S.$ on the decl. arc, and determine a meridian with the solar at the above described cor. Thence I run, on true line North, bet. secs. 31 and 36, Ascend abruptly over S, slope of mesa over mountainous land covered with loose malapais boulders, through scattering palo verde timber and brush.
- 12.40 Top of ascent on S. edge of mesa 250 ft. above cor., bears N $50^{\circ}E.$ and S $50^{\circ}W.$, thence over rolling stony mesa land.
- 36.00 North edge of mesa bears N $65^{\circ}E.$ and S $65^{\circ}W.$, leave rolling land, descend abrupt rocky NW. slope over mountainous land.
- 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 in W. half and S 31 in E. half. No trees suitable for bearing trees within limits. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 54.70 Cliff 25 ft. high 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. 25, 30, 31, and 36., marked on brass cap $\frac{1}{4}$ T9N. in N. half., R2E. S25 in NW., R3E. S30 in NE., S31 in SE. and S36 in SW. quadrant.; No trees suitable for bearing trees. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable. Land rolling and mountainous. soil dark coarse adobe clay loam, stony, good growth bunch grass. Timber scattering palo verde.
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- North, bet. secs. 25 and 30, Descend abrupt rocky NW. slope of mesa over mountainous land, through scattering palo verde timber and greasewood brush undergrowth 4 ft. high.
- 1.30 Bluff 40 ft. high along south side of Squaw Creek.
- 4.60 Foot of bluff, leave mountainous land bears E. and W., enter sandy bottom land.
- 7.45 Dry bed of Squaw Creek 50 lks. wide course west.
- 18.50 Leave rolling sandy bottom land, bears E. and W., ascend abrupt rocky S. slope of spur over mountainous land.
- 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 25 in W. half and S 30 in E. half.; No trees within limits. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable
- 45.40 Top of spur 40 ft. above cor. bears NE. and SW. desc.
- 48.50 A point 400 lks. W. of peak 100 ft. high.
- 59.50 Foot of abrupt descent in head of dry ravine course NE. asc.
- 72.30 Top of ridge bears NE. and SW. desc.
- 77.10 Dry ravine 10 lks. wide course NE. asc.

Portion of East boundary of T 9 N., R 2 E.

Chains.

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 cap¹⁹¹³ T9N. in N. half. R2E. S24 in NW., R3E. S19 in NE., S30 in SE. and S25 in SW. quadrant.

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.; No trees suitable for bearing trees within limits. Pits impracticable

Land rolling and mountainous; ridges and spurs with light poor stony loam on clay and decomposing shale subsoil. slopes of spurs steep, very stony. bottom lands good brown sandy loam on gravel subsoil, light growth bunch grass. Timber scattering palo verde.

Note :At this cor. I set off 16°12'S. on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of 34°06'N.

North, bet. secs. 19 and 24,

Ascend S. slope of spur over stony mountainous land, through scattering palo verde timber and greasewood brush undergrowth 4 ft. high.

- 5.00 Top of spur bears NE. and SW. desc. abruptly. over NW. slope into the Agua Fria River bottom.
- 16.00 Dry ravine 15 lks. wide course NW. asc.
- 18.00 Top of spur bears E. and W. desc.
- 22.30 Foot of descent in river bottom., leave mountainous land bears NE. and SW., enter rolling sandy bottom land.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor., marked on brass cap¹⁹¹³ ¼ S 24 in W. half and S 19 in E. half., from which
- A palo verde 8 ins. in diam. bears N 37¾°E. 112 lks. dist., marked ¼ S 19 BT. and
- A palo verde 10 ins. in diam. bears S 47¼°W. 192 lks. dist., marked ¼ S 24 BT.
- 40.75 Road to George Cowle's ranch bears N 40°E., and S 40°W.
- 79.05 The same road bears NW. and SE.
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24., marked on brass cap¹⁹¹³ T9N. in N. half. R2E. S13 in NW., R3E. S18 in NE., S19 in SE. and S 24 in SW. from which
- An ironwood 7 ins. in diam. bears S 31¼°E. 59 lks. dist., marked T9N., R3E., S19 BT. No other trees suitable for bearing trees available.; Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor., Pits impracticable.
- S. 22.30 chs. mountainous; spurs with poor stony loam 6 to 10 ins. deep, light growth bunch grass. N. 57.70 chs. rolling sandy bottom land; soil light sandy loam 16 ins. deep on gravelly subsoil. Timber palo verde, ironwood, and mesquite.

February 5¹⁹¹³; At 8^h 14^m a.m., l.m.t. I set off 34°07'N. on the lat. arc 15°56'S. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 13, 18, 19, and 24, above described,

Thence I run,

North, bet. secs. 13 and 18.

Over rolling sandy bottom land, through scattering, mesquite an ironwood timber and greasewood brush undergrowth 3 ft high.

- 2.10 Leave bottom land, bears NW. and SE., ascend steep SW. slope of spur over mountainous land,
- 8.30 Cross dry ravine 10 lks. wide 4 ft. deep course SW.
- 11.70 Top of spur bears NE. and SW. thence on W. slope.
- 15.20 Begin steep descent over NW. slope into the Agua Fria River.
- 18.70 Intersect left bank of the Agua Fria River bears E. and W. thence over sandy river bed. stream clear water 4 ins. deep.
- 22.90 Intersect right bank 5 ft. high bears E. and W., enter mesquite and palo verde timber and brush bears E. and W.
- 26.80 Road to George Cowle's ranch bears NE. and SW.

Portion of East boundary of T.9 N., R.2 E.

Chains.

- 33.40 Wire fence bears NW. and SE.
 36.80 Wire fence bears N55°E. and S55°W.
 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 ¹⁹¹³ S 13 in W. half and S 18 in E. half.; No trees suitable for bearing trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
 41.90 Leave bottom land bears N50°E. and S 50°W., ascend S. slope over stony mountainous land.
 50.55 Top of ascent on spur bears NE. and SW. From this point George Cowle's house bears S 71 $\frac{1}{4}$ °E. 15.00 chs. dist. descend NW. slope.
 55.90 Dry ravine 10 lks. wide course east. asc.
 60.00 Top of spur bears E. and W. desc.
 69.60 Foot of descent in depression bears E. and W., drains to the east. ascend knoll.
 77.00 Top of round knoll desc.
 79.50 Foot of descent, intersect right bank of the Agua Fria River bears E. and W.
 80.00 The point for the cor. of secs. 7, 12, 13, and 18. falls in the bed of river; therefore at
 78.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for witness cor. to the cor. of secs. 7, 12, 13, and 18., marked on brass cap ¹⁹¹³ WC. N. of center. T9N., R2E. R3E. S7. S12 in N. half. S18 in SE. and S13 in SW. quadrant. No trees within limits.; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor., Pits impracticable. Land rolling and mountainous; spurs with light poor sandy and stony loam 12 ins. deep on stony clay subsoil. bottom land dry sandy loam 18 to 24 ins deep on gravel subsoil. light growth bunch grass. Timber palo verde, ironwood and mesquite.
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- North, bet. secs. 7 and 12, from true point for cor. of secs. 7, 12, 13, and 18,
 Over stony river bed. of the Agua Fria River.
 2.40 Intersect left bank of river bears E. and W. ascend river bluff 50 ft. high.
 4.20 Top of bluff bears E. and W., continue steep ascent over S. slope of spur, through scattering palo verde timber, and greasewood brush undergrowth 4 ft. high.
 11.80 Top of spur bears E. and W. desc. N. slope.
 29.90 Foot of steep descent, intersect left bank of the Agua Fria river bears N70°E. and S70°W., thence over stony river bed, stream of clear water 40 lks. wide 6 ins. deep.
 34.60 Intersect right bank of river 40 ft. high bears NE. and SW. ascend abruptly.
 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 ¹⁹¹³ S12 in W. half and S7 in E. half. No trees within limits; Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.; Pits impracticable.
 40.60 Intersect the right bank of the Agua Fria River bears N70°W. and S70°E. thence over stony river bed. stream clear water 50 lks. wide 4 ins. deep.
 48.70 Intersect left bank of river, bears N70°W. and S70°E., ascend abrupt rocky S. slope of spur.
 69.50 Top of ascent on spur 400 ft. above river bears NE. and SW. a high peak bears east 150 lks. descend abrupt NW. slope.
 74.80 Foot of abrupt descent, thence descend gradually.
 80.00 Set an iron post 3 ft. long, 3 in. in diam. 24 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked on brass cap ¹⁹¹³ T9N. in N. half. R2E. S1 in NW., R3E., S6 in NE., S7 in SE., and S12 in SW. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. No trees suitable for bearing trees within limits.; Pits impracticable.
 Land mountainous; ridges and spurs with light poor stony loam 4 to 8 ins. deep on ledges of porphyry stone. slopes of spurs very abrupt, washed, bottom land along the Agua

Portion of East boundary of T.9 N., R 2 E.

Chains. Fria river rich sandy loam 12 to 26 ins. deep on gravel subsoil. light growth of bunch grass. Timber palo verde.

Note: I find the land north of this cor. to be rough and mountainous, unfit for agricultural purposes and impracticable to survey, therefore I discontinue the survey of the E. bdry. of T 9 N., R 2 E. at this cor.

At the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 12, I set off $15^{\circ}54'S.$ on the decl. arc, and at noon observe the sun on the meridian and obtain a reading of $34^{\circ}08'N.$ on the lat. arc.

February 5, 1913.

Sidney E. Blout
U.S. Surveyor

BOOK 2632 for

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 part of the
East Boundary of
Township No. 9 North, Range No. 2 East,
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, 191 2, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Ingalls

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.~~