

54
JUN 7 - 1913

FIELD NOTES 2353

OF THE SURVEY OF THE

South of West Boundary T 15 N R 8 E.
and
Retracement from East Boundary T 15 N R 8 E.

Of the G. & O. R. Meridian,
In the State of Territory of Arizona

EXECUTED BY

Jord W. Rodolf

In the capacity of U. S. Surveyor, under instructions dated May 3, 1911,
issued by the United States Surveyor General to govern surveys included in
Group No. 11, which were approved by the Commissioner of the General Land
Office, May 18, 1911, pursuant to authority contained in the Act of
Congress dated March 4, 1911.

Survey commenced June 10, 1911.

Survey completed June 13, 1911.

INDEX DIAGRAM.

Township _____, Range _____

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

BOOK 2353

INDEX DIAGRAM.

Township 15 North, Range 8 East

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

Meanders Page

PRELIMINARY OATHS OF ASSISTANTS.

WE, H. N. Bradstreet and L. E. Flanagan

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 W. and S. bdys. of fractional part of T.15 N., R.8 E. and retracement of part of T.15 N., R.8 E.

Theodore Secor, Chainman.
H. N. Bradstreet, Chainman.

Subscribed and sworn to before me this 10th day of June, 19 11



Fred W. Rodolf

U. S. Surveyor

WE, Oliver Nofzinger 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 W. and S. bdys. of fractional part of T.15 N., R.8 E. and retracement of the part of the E. bdy. of T.15 N., R.8 E.

O. Nofzinger

Moundman.

Moundman.

Subscribed and sworn to before me this 10th day of June, 19 11



Fred W. Rodolf

U. S. Surveyor

WE, Harry B. Marshall 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 the W. and S. bdys. of fractional part of T.15 N., R.8 E., and retracement of part of the E. bdy. of T.15 N., R.8 E.

H. B. Marshall

Axman.

Axman.

Subscribed and sworn to before me this 10th day of June, 19 11



Fred W. Rodolf

U. S. Surveyor

I, L. E. Flanagan, 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 the W. and S. bdys. of Th fractional part of T.15 N., R.8 E. survey of and retracement of part of the E. bdy. of T.15 N., R.8 E.

L. E. Flanagan

Flagman.

Subscribed and sworn to before me this 10th day of June, 19 11



Fred W. Rodolf

U. S. Surveyor

57
1B

Survey of the Fractl. West bdy. of Tp. 15 N., R 8 E.

chains

Survey commenced on the 10th day of June 1911 and executed with a Young and Sons light mountain transit No. 6492 with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other and reading to single minutes of arc, which is also the least count of the latitude and declination arcs;

The instrument was examined, tested on the true meridian at Phoenix, found correct and approved by the Surveyor General for Arizona.

I examine the adjustments of the transit and find them correct. Then to test the solar apparatus by comparing its indications resulting from observations made during a.m., and p.m., hours, with a meridian determined by observations on polaris, I proceed as follows:-

At camp, which is located at about the 1/4 sec. cor. bet. secs. 25 and 36,; lat. 34° 39' 28" N., long. 111° 28' 20" W I set off 34° 29, 1/2' N. on the lat. arc; 23° 00' N. on the decl. arc and determine a meridian with the solar at 4 p.m., l.m.t., and mark a point thereof by a cross on a stone, firmly set 5 chs. N. of my station.

June 10, 1911

June 11; At 2h 17m., l.m.t., I observe polaris at eastern elongation in accordance with the Manual of Instructions, and mark a point in the line thus determined by a peg driven in the ground 5 chs. N. of station.

At 7 a.m., l.m.t., I lay off the azimuth of polaris to the west, 1° 25', and mark a point in the meridian thus determined by a notch on the stone set June 10, on which this mark coincides with the meridian established by the solar.

At 8 a.m., l.m.t., I set off 34° 39 1/2' N. on the lat. arc; 23° 03' N. on the decl. arc and determine a meridian with solar, marking a point thereof by a groove on the stone set 5 chs. N. of my station. This groove coincides with the meridian established by observations of polaris.

The solar apparatus, by p.m., and a.m., observations defines positions which coincides with the meridian established by observations on polaris, therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. l.m.t., is N 14° 01' W,; the angle thus determined gives the magnetic decl. as 14° 01' E.

I find the cor. of secs. 24, 25, 19 and 30, on the W. bdy. of Tp. 15 N. R. 8 E., which is a stone, marked and witnessed as described by the Surveyor General.

Thence I run

South bet. secs. 25 and 30.

Over rolling land covered with loose rocks thru scattering timber.

14.73 Road, brs. E. & W.

34.42 Wire fence brs. NE. & SW.

40.00 Set a 1 in. iron post, 3ft. long, 26 ins. in the ground, for 1/4 sec. cor., marked 1/4 S 25 on W. and S 30 on E. half. and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, W. of cor.

47.50 End of line of posts, extends W.

80.00 Set a 3 in. iron post, 3ft. long, 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, marked T 15 N. on N. half. R 7 E on W., and R 8 E on E. half., S 30 on NE., S 31 on SE S 36 on SW., and S 25 on NW. quad., and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, W. of cor.

Land, rolling.

Timber, scattering juniper. No underbrush.

Soil, heavy dark gumbo, with loose rocks, 2nd rate.

Survey of the fractional West Bdy. of Township 15 N. R 8 E.

chains.

Thence I run
 South bet. secs. 31 & 36.
 Over rolling land covered with loose rocks thru
 scattering timber.

40.00 Set a 1 in. iron post, 3ft. long, 26ins. in the ground, for
 1/4 sec. cor., marked 1/4 S 36 on W., and S 31 on E. half.,
 and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, W.
 of cor.

46.000 Desc. rocky SE. slope.

80.00 Set a 3in. iron post, 3ft. long, 24ins. in the ground, for cor.
 of Tps. 14 & 15 N., Rgs. 7 & 8 E., marked T 15 N. on N.
 and T 14 N on S. half., R 7 E on W., and R 8 E on E.
 half., S 31 on NE., S 6 on SE., S 1 on SW., and S 36 on
 NW. quad., and raise a mound of stone, 2ft. base, 1, 1/2 ft.
 high, S. of cor. No trees available.
 Land, rolling and mountainous.
 Timber, scattering juniper, No underbrush.
 Soil, dark heavy gumbo, with loose rocks 2nd rate.

 General Description.

Tp. 15 N. R. 7 E. is mostly broken in the E. part
 and not fit for farming but is good grazing land.
 T 15 N R 8 E is rolling and rocky but could be farmed,
 in places. It is fine grazing land.
 There is no water along this line.
 There are no settlers along this line.

Survey of the S. Bdy. of Tp. 15 N., R 8 E.

chains

From the cor. of Tps. 14 & 15 N. Rgs. 7 & 8 E. just established by me I run East on random line along S. bdy. of Tp. 15 N. R 8 E., setting temp. 1/4 sec. cors. and sec. cors. at alternate 40.00 chs. points.
 477.00 The cor. of Tps. 14 & 15 N., Rgs. 8 & 9 E. which is a post marked and witnessed as described by the Surveyor General brs. N. 6 lks. dist.

June 11, 1911.

June 12; At 7 a.m., l.m.t., I set off 34° 38', 1/2' N. on the lat. arc; 23° 07', 1/2' N. on the decl. arc. and determine a meridian with the solar at the cor. of Tps. 14 & 15 N. Rgs. 8 & 9 E.

Thence I run

West on true line bet. secs. 1 & 36.

Desc. steep rocky slope thru dense timber and underbrush.

30.00 Over rolling land covered with loose rocks.

40.00 Set a 1 in. iron post, 3ft. long, 26 ins. in the ground, for 1/4 sec. cor., marked 1/4 S 36 on N., and S 1 on S. half., from which

A pine 6 ins. diam., brs. S 87° 15' E. 49 lks. dist., marked 1/4 S 1 BT

A pine 7 ins. diam., brs. N 88° 30' W. 110 lks. dist., marked 1/4 S 36 BT

80.00 Set a 3 in. iron post, 3ft. long, 24 ins. in the ground, for cor. of secs. 1, 2, 35 & 36, marked T 15 N R 8 E on N., and T 14 N on S. half, S 36 on NE., S 1 on SE., S 2 on SW., and S 35 on NW. quad., from which

A pine 16 ins. diam., brs N 62° E 98 lks. dist., marked T 15 N R 8 E S 36 BT

A pine 12 ins. diam., brs S 54° E. 108 lks. dist., marked T 14 N R 8 E S 1 BT

A pine 16 ins. diam., brs. S 61 1/2° W. 92 lks. dist., marked T 14 N R 8 E S 2 BT

A pine 18 ins. diam., brs N 64, 1/2° W. 161 lks. dist., marked T 15 N R 8 E S 35 BT.

Land, mountainous and rolling.

Timber, dense pine.

Underbrush, oak, buck brush and scrub pine.

Soil, medium loam brown, covered with some loose rocks

Thence I run

West on true line bet. secs. 2 and 35.

Desc. steep rocky slope thru dense timber and underbrush.

14.00 Descent becomes more gradual, thru scattering timber.

38.00 Wash, 20 lks. wide, course SW. Asc. over loose rocks.

40.00 Set a 1 in. iron post, 3ft. long, 26 ins. in the ground, for 1/4 sec. cor., marked 1/4 S 35 on N. & S 2 on S. half, from which

A pine 30 ins. diam., brs. S 32° 48' E. 85 lks. dist., marked 1/4 S 2 BT

A pine 36 ins. diam., brs. N 40° 10' W. 157 lks. dist., marked 1/4 S 35 BT.

72.00 Over rolling rocky S. slope.

80.00 Set a 3 in. iron post, 24. in. in the ground, for cor. of secs. 2, 3, 34 & 35, marked T 15 N R 8 E on N., and T 14 N. on S. half, S 35 on NE., S 2 on SE., S 3 on SW., and S 34 on NW. quad. and build a mound of stone, 2ft. base, 1, 1/2 ft. high, W. of cor.

Land, mountainous.

Timber, pine. Underbrush, scrub oak and buck brush.

Soil, heavy dark loam, covered with loose rocks.

2nd. rate.

Thence I run

West on true line bet. secs. 3 and 34.

along rolling rocky S. slope.

Survey of the S. bdy. of Tp 15 N., R 8 E.

| | |
|--------|---|
| Chains | |
| 37.00 | Canyon 100 ft. wide, course S. Asc. steep rocky slope. |
| 40.00 | Set a 1 in. iron post, 3ft. long, 26ins. in the ground, for 1/4 sec. cor., marked 1/4 S 34 on N., and S 3 on S. half, from which A pine 28ins. diam., brs. N 20°30'W. 102 lks. dist., marked 1/4 S 34 BT A pine 36ins. diam., brs. S 23°40'W. 198 lks. dist., marked 1/4 S 3 BT. |
| 54.00 | Top of ridge, brs. N. & S. Desc. steep rocky slope. |
| 74.00 | Along toe of N. slope of round Butte called Horse Knoll. |
| 80.00 | Set a 3in. iron post, 3ft. long, 24ins. in the ground, for cor. of secs. 3, 4, 33 and 34, marked T 15 N R 8 E on N., T 14 N on S. half, S 34 on NE., S 3 on SE., S 4 on SW., and S 33 on NE. quad., and build a mound of stone, 2ft. base, 1, 1/2 ft. high W. of cor. Land, mountainous. Timber, pine & juniper. No underbrush. Soil, heavy black loam with loose rocks, 2nd rate. At this cor. I set off 23°07, 1/2' N. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 34°38, 1/2' N. |
| | Thence I run West on true line bet. secs. 4 and 33. Along toe of rocky N. slope of Horse Knoll thru scattering timber and underbrush. |
| 40.00 | Set a 1 in. iron post, 3ft. long, 26ins. in the ground, for 1/4 sec. cor., marked 1/4 S 33 on N. and S 4 on S. half, from which A juniper 48ins. diam., brs N 54°20'E. 34 lks. dist., marked 1/4 S 33 BT. A juniper 30 ins. diam., brs. S 5°10'E. 155 lks. dist., marked 1/4 S 4 BT. |
| 80.00 | Over rolling land covered with loose rocks. Set a 3in. iron post, 3ft. long, 24ins. in the ground, for cor. of secs. 4, 5, 32 and 33, marked T 15 N R 8 E on N., T 14 N on S. half, S 33 on NE., S 4 on SE., S 5 on SW., and S 32 on NE. quad., and build a mound of stone, 2ft. base, 1, 1/2 ft. high, W. of cor. Land, rolling and mountainous. Timber, scattering juniper. Underbrush, buck brush. Soil, heavy black loam, with loose rocks, 2nd rate. |
| | West along true line bet. secs. 5 & 32. Over rolling land covered with loose rocks thru scattering timber and underbrush. |
| 40.00 | Set a 1 in. iron post, 3ft. long, 26ins. in the ground, for 1/4 sec. cor., marked 1/4 S 32 on N. and S 5 on S. half, and build a mound of stone, 2ft. base, 1, 1/2 ft. high N. of cor. |
| 43.00 | Canyon 75 lks. wide, course S. |
| 80.00 | Set a 3in. iron post, 3ft. long, 24ins. in the ground, for cor. of secs. 5, 6, 31 and 32, marked T 15 N. R 8 E on N., T 14 N on S. half, S 32 on NE., S 5 on SE., S 6 on SW., and S 31 on NW. quad., and build a mound of stone, 2ft. base, 1, 1/2 ft. high, W. of cor. Land, rolling. Timber, juniper. Underbrush, buck brush. Soil, heavy dark loam with loose rocks, 2nd rate. |
| | Thence I run West on true line bet. secs. 6 and 31. Over rolling land covered with loose rocks thru scattering timber and underbrush. |
| 40.00 | Set a 1 in. iron post, 3ft. long, 26ins. in the ground, for 1/4 sec. cor., marked 1/4 S 31 on N., and S 6 on S. half, and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, N. |

Survey of the S. Bdy. of Tp. 15 N., R 8 E.

chains.
77.00

of cor.
The cor. of Tps. 14 & 15 N. Rgs. 7 & 8 E. as set by me.
Land, rolling.
Timber, juniper. Underbrush, buck brush.
Soil, medium dark loam with some loose rocks, 2nd rate.

----- June 12, 1911.

General Description.

Tp. 14 N. R 8 E. is rolling land with some hills, the soil being of a 2nd class but a 1st class grazing land.
Tp. 15 N. R 8 E. is rolling and rocky but can be farmed in places. It is fine grazing land.
There is no water along this line.
There are no settlers along this line.

Boundaries of Township 15 North, Range 8 E.

Latitudes, departures, and closing errors.

| Line Designated | True Bearing | Distance | Latitudes | | Departures | |
|-----------------|---------------|----------|-----------|---------------|------------|--------|
| | | | N | S | E | W. |
| Any Base Line | East | 477.83 | — | — | 477.83 | — |
| E. bdy. Sec. 75 | S1°00'W | 39.90 | — | 39.90 | — | 0.35 |
| " " " " | S0°30'W | 39.95 | — | 39.95 | — | 0.70 |
| " " " 26 | South | 80.00 | — | 80.00 | — | — |
| P. Bdy. | West | 477.00 | — | — | — | 477.00 |
| W. " | North | 160.00 | 160.00 | — | — | — |
| Course by line | — | — | — | — | 0.17 | — |
| | Total | | 160.00 | 159.85 | 480.00 | 478.05 |
| | Error in Lat. | | 0.15 | Error in Dep. | | 0.05 |

Retracement of East. Bdy. of Tp. 15 N., R. 8 E.

chains.

June 13; 1911; From the cor of secs. 25, 30, 31 & 36 on the E. bdy. of Tp. 15 N. R 8 E., which is a post marked and witnessed as described by the Surveyor General, the 1/4 sec. cor. brs. N 0 30'E.

39.95

Therefore I run N 0 30'E. o true line bet. secs. 25 and 30. Over mountainous land thru dense timber and underbrush Old 1/4 sec. cor., which is a post, marked and witnessed as described by the Surveyor General.

41.50

79.85

From here the cor. of secs. 19, 24, 25 and 30, brs. N 1 00'E.

Therefore I run N 1 00'E. on true line bet. secs. 25 and 30. Wash, 20 lks. wide, course NW.

The old cor. of secs. 19, 24, 25 and 30. which is a stone, marked and witnessed as described by the Surveyor General.

Land, mountainous.
Timber, dense pine.
Underbrush scrub oak, buck brush and 2nd growth pine.
Soil, medium dark loam, 2nd class.

June 13, 1911.

General Description.

Sec. 30, Tp. 15 N. R 9 E. is mountainous, and covered with a dense growth of pine timber.

Sec. 25. Tp. 15 N. R 8 E. is mountainous and rocky and covered with a dense growth of pine timber.

There are no settlers along this line.

There is no water along this line.

Fred W. Rodolf
U. S. Surveyor.

FINAL OATHS OF ~~DEPUTY~~ SURVEYOR AND HIS ASSISTANTS.

63
7

LIST OF NAMES.

BOOK 2353

A list of the names of the individuals employed by Fred W. Rodolf

....., United States ~~Deputy~~ Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the W. & S. bdys. of fractional part of T.15 N., R.8 E. and the retracement of part of E. bdy. of T.15 N., R.8 E. showing the respective capacities in which they acted:

H. N. Bradstreet....., Chainman.

Theodore Secor....., Chainman.

O.L. Nofzinger....., Moundman.

....., Moundman.

Harry B. Marshall....., Axman.

....., Axman.

L. E. Flanagan....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Fred W. Rodolf

....., United States ~~Deputy~~ Surveyor, in surveying all those parts or portions of the W. and S. bdys. of the fractional part of T.15 N. R.8 E. and retracement of part of the E. bdy. of T.15 N., R. 8 E.

..... of the Gila and Salt River Base & meridian, State..... of Arizona....., which are represented 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 surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona

Theodore Secor....., Chainman.

H. N. Bradstreet....., Chainman.

....., Moundman.

O. L. Nofzinger....., Moundman.

H. B. Marshall....., Axman.

....., Axman.

L. E. Flanagan....., Flagman.

Subscribed and sworn to before me this 15th }
day of June....., 19 11

Fred W. Rodolf

U. S. Surveyor



698
BOOK 2353

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Fred W. Rodolf, United States ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of ~~contract~~ special instructions received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 3rd day of May, 19 11, 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 Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the fractional West bdy. and the South Boundary of Tp. 15 N., R. 8 E., and the retracement of part of the East boundary of Tp. 15 N., R. 8 E.

of the Gila and Salt River Base & meridian, in the 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Fred W. Rodolf
United States Deputy Surveyor.

Subscribed by said Fred W. Rodolf, and sworn to before me }
this 31 day of May, 19 12



W. H. Cannon
UNITED STATES COMMISSIONER,
DISTRICT OF OREGON.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Phoenix, Ariz. June 12, 1912

The foregoing field notes of the survey of the South and West Boundaries of T15N. R8E and Retracment of the East Boundary T15N. R8E. of the G & S R. Meridian, Arizona

executed by Fred W. Rodolf under his contract No. 11, dated May 3, 19 11, 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.