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MAR 11 1914

1

BOOK "B"

BOOK 2649

FIELD NOTES

OF THE SURVEY OF PART OF THE

Subdivision lines of _____

TOWNSHIP 9 SOUTH RANGE 20 EAST

Of the _____ Gila and Salt River Base and Meridian,

In the State of _____ Arizona.

EXECUTED BY

John F. Hesse

In the capacity of U. S. Surveyor _____, under instructions dated _____ August 25 _____, 1910,

issued by the United States Surveyor General to govern surveys included in

Group No. _____ 6 _____, which were approved by the Commissioner of the General Land

Office, _____ September 9th _____, 1910, pursuant to authority contained in the Act of

Congress dated _____ June 23rd _____, 1913.

Survey commenced _____ October 5 _____, 1913.

Survey completed _____ October 9 _____, 1913.

1A

BOOK 2649

INDEX DIAGRAM.

Township 9 South, Range 20 East

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

(1 P)

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

Survey commenced October 5, 1913 and executed with a W. and L. E. Gurley transit, not numbered, with solar attachment. The horizontal limb is provided with one double vernier, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs;

The instrument was approved by the Supervising Surveyor August 28, 1912.

As the adjustments of the instrument were tested on a meridian determined by observations on Polaris October 3, 1913, I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at the cor. of secs. 13, 18, 19, and 24 at 7h. 50m. a.m., l.m.t. is N. 13° 30' W. the angle thus determined gived the mag. decl. 13° 30' E.

At 8h. 00m. a.m., l.m.t., I set off 32° 38' N. on the lat. arc; 4° 38' S. on the decl. arc; and determine a meridian with the solar at the above mentioned corner, which is a malpais stone 8 x 8 x 6 ins. above ground, marked and witnessed as described by the surveyor general.

Thence I run

West bet. secs. 13 and 24, on true line. Over rolling land.

30.70 Cross wash 18 lks. wide course N. E. and ascend steep E. slope of mountain through timber and dense brush.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S13 in N. and S24 1913 in S. half; from which

An oak 6 ins. diam., bears N. 6° W. 29 lks. dist., marked 1/4 S13BT.

A pinon 5 ins. diam., bears S 28° W. 23 lks. dist., marked 1/4 S24BT.

65.50 Top of high mountain, descend.

78.30 Cross wash 35 lks. wide course N. E. ascend.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, marked on brass cap

T9SR20E in N. and 1913 in S. half;

S14 in N. W.

S13 in N. E.

S24 in S. E. and

S23 in S. W. quadrant: from which

An oak 14 ins. diam., bears N. 81° W. 42 lks. dist., marked T9SR20ES14BT

An oak 7 ins. diam., bears N. 52° E. 89 lks. dist., marked T9SR20ES13BT.

A juniper 22 ins. diam., bears S. 20° E. 120 lks. dist., marked T9SR20ES24BT.

An oak 9 ins. diam., bears S. 18° W. 34 lks. dist., marked T9SR20ES23BT.

Land, rolling and mountainous.

Soil, rocky, 4th. rate.

Timber, oak, pinon, cedar and juniper.

Undergrowth, oak and manzanita.

Note: At this cor. I set off 4° 42 1/2' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 38' N.

West bet. secs. 14 and 23, on true line.

Along rough N. slope of mountain through dense brush and heavy timber.

23.30 Cross wash 20 lks. wide course N. E. and ascend steep E. slope.

40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S14 in N. and S23 1913 in S. half; from which

BOOK 2649

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

	<p>A pinon 4 ins. diam., bears N. 11° E. 7 lks. dist., marked $\frac{1}{4}$S14BT.</p> <p>A pinon 4 ins. diam., bears S. 20° E. 12 lks. dist., marked $\frac{1}{4}$S23BT.</p>
70.20	Top of high mountain, descend.
80.00	Set an iron post 3 ft. long, October 5, 1913.
	<p>October 8: At 8h. 00m. a.m., l.m.b. I set off 32° 38' N. on the lat. arc; 5° 47' S. on the decl. arc; and determine a meridian with the solar at the cosec cor. bet. secs. 14 and 23. above described.</p> <p>October Thence I run</p> <p>West bet. secs. 14 and 23, on true line on west $\frac{1}{2}$ half mile</p> <p>Ascend steep E. slope through dense brush and heavy timber</p>
70.20	Top of high mountain, descend.
80.00	<p>Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 14, 15, 22 and 23, marked on brass cap</p> <p>T9SR20E in N. and 1913 in S. half;</p> <p>S15 in N. W.</p> <p>S14 in N. E.</p> <p>S23 in S. E. and S22 in S. W. quadrant; from which</p> <p>An oak 4 ins. diam., bears N. 40° W. 15 lks. dist., marked T9SR20ES15BT.</p> <p>An oak 6 ins. diam., bears N. 8° E. 18 lks. dist. marked T9SR20ES14BT.</p> <p>An oak 6 ins. diam., bears S. 38° E. 35 lks. dist., marked T9SR20ES23BT.</p> <p>An oak 7 ins. diam., bears S. 32° W. 30 lks. dist., marked T9SR20ES22BT.</p> <p>Land, rough and mountainous.</p> <p>Soil, rocky; 4th. rate.</p> <p>Timber, oak, pinon, cedar and juniper.</p> <p>Undergrowth, manzanita and oak.</p> <p>Note: At this cor. I set off 5° 51$\frac{1}{2}$' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 38' N.</p> <p style="text-align: right;">October 8, 1913.</p>
	<p style="text-align: center;">1913.</p> <p>October 6: At 8h. oom. a.m., l.m.t., I set off 32° 38' N. on the lat. arc; 5° 01' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24. herebefore described</p> <p>Thence I run</p> <p>N. 0° 01' W. bet. secs. 13. and 14.</p> <p>Descending rough N. slope through dense brush and heavy timber.</p>
39.36	Cross wash 25 lks. wide course S. E. and over rolling land.
40.00	<p>Set an iron post 3 ft. long, 1. in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$S14 in W. S13 in E. and 1913 in S. half; from which</p> <p>An oak 6 ins. diam., bears S. 80° E. 77 lks. dist., marked $\frac{1}{4}$S13BT.</p> <p>An oak 8 ins. diam., bears S. 65° W. 57 lks. dist., marked $\frac{1}{4}$S14BT.</p>
54.50	Cross wash 18 lks. wide course N. E. Leave timber and brush.
77.05	Cross wash 20 lks. wide course N. E.
80.00	<p>Set an iron post 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked on brass cap</p> <p>T9SR20E in N. and 1913 in S. half;</p> <p>S11 in N. W.</p> <p>S12 in N. E.</p> <p>S13 in S. E. and S14 in S. W. quadrant; and raise a mound of stone 2 ft. base 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p> <p>Land, mountainous and rolling.</p>

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

- Soil, rocky; 4th. rate.
 Timber, oak, pinon, juniper and cedar.
 Undergrowth, oak.
 Note: At this cor. I set off 5° 06' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 39' N.
-
- East on a random line bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.,
 80.02 Intersect E. bdy. of Tp. 5 lks. N. of the ^{old} cor. of secs. 7, 12, 13 and 18, which is a stone 8x8x4 ins. above ground, marked and witnessed as desc. by the Sur. Gen. Thence I run N. 89° 58' W. on a true line bet. secs. 12 and 13.
 Over rolling land, through scattering brush and timber.
 6.40. Cross wash 70 lks. wide course N. E.
 15.50 Cross same wash 40 lks. wide course S. E.
 33.60 Cross wash 18 lks. wide course N. E.
 40.01 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S12 in N. and S13 1913 in S. half; from which
 A juniper 36 ins. diam., bears N. 48 W. 224 lks. dist., marked $\frac{1}{4}$ S12BT.
 No other tree available. Raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 76.00 Cross wash 35 lks. wide course N. E.
 80.02 The cor. of secs. 11, 12, 13, and 14, hereinafter described.
 Land, rolling.
 Soil, rocky; 4th. rate.
 Timber, oak, pinon, juniper and cedar.
 Undergrowth, oak.
- October 6, 1913.
-
- 1913
 October 7: At 8h. 00m. a.m., l.m.t., I set off 32° 39' N. on the lat. arc; 5° 24' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13, and 14, hereinafter described,
 Thence I run
 N. 0° 01' W. bet. secs. 11 and 12.
 Over rolling land.
 7.90 Cross wash 70 lks. wide course E.
 16.63 A point from which
 A. F. Gardner house bears S. 71 $\frac{3}{4}$ W.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in W. S12 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
 40.75 Cross wash 20 lks. wide course N. E.
 59.05 Cross wash 18 lks. wide course N. E.
 79.34 Cross wash 40 lks. wide course E.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12, marked on brass cap
 T9SR20E in N. and
 1913 in S. half;
 S2 in N. W.
 S1 in N. E.
 S12 in S. E. and
 S11 in S. W. quadrant; from which a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
 An ash 6 ins. diam., bears N. 79 $\frac{1}{2}$ W. 238 lks. dist., marked T9SR20ES2BT.
 A hackberry 4 ins. diam., bears N. 76 $\frac{1}{2}$ E. 152 lks. dist., marked T9SR20ES1BT.
 An ash 6 ins. diam., bears S. 48 $\frac{1}{4}$ E. 76 lks. dist., marked T9SR20ES12BT.
 An ash 14 ins. diam., bears S. 38 $\frac{3}{4}$ W. 39 lks. dist. marked T9SR20ES11BT.

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains

Land, rolling.
Soil, rocky; 4th. rate.
Timber, a few ash and juniper and oaks.

- S. 89° 58' E. on a random line bet. secs. 1 and 12.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
80.22 Intersect E. bdy. of Tp. 12 lks. S. of the ^{old} cor. of secs. 1, 6, 7 and 12 which is a rock in place marked and witnessed as described by the surveyor general.
Thence I run.
S. 89° 57' W. on a true line bet. secs. 1 and 12.
Over rolling land, through scattering brush and timber.
32.80 Cross wash 10 lks. wide course N. E.
40.11 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S1 in N. and S12 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable.
67.50 Cross wash 50 lks. wide course N. E.
80.22 The cor. of secs. 1, 2, 11 and 12, **hereinbefore described**
Land, rolling.
Soil, rocky; 4th. rate.
Timber, scattering, pinon, juniper and oak.
Undergrowth, oak.
Note: At this cor. I set off 5° 29' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 32° 40' N.

- N. 0° 01' W. on a random line bet. secs. 1 and 2.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.69 Intersect N. bdy. of Tp. 16 lks. W. of the cor. of secs. 1, 2, 35 and 36, recently established by me as desc. in Book "A."
Thence I run
S. 0° 06' W. on a true line bet. secs. 1 and 2.
Over rolling land.
39.69 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S2 in W. and S1 in E. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.70 Cross wash 12 lks. wide course E.
62.20 Cross wash 12 lks. wide course S. E.
79.69 The cor. of secs. 1, 2, 11 and 12, **hereinbefore described**
Land, rolling.
Soil, rocky; 4th. rate.
No timber.

October 7, 1913.

- October 8: 1913.
N. 0° 01' W. bet. secs. 14 and 15.
Descend along rough broken N. W. slope of high mountain through heavy timber and dense brush.
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S15 in W. S14 in E. and 1913 in S. half; from which
A juniper 4 ins. diam., bears N. 84° E. 10 lks. dist., marked $\frac{1}{4}$ S14BT
A pinon 5 ins. diam., bears S. 42° W. 32 lks. dist., marked $\frac{1}{4}$ S15BT.
56.40 Cross wash 18 lks. wide course N. E. and over rolling land.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15, marked on brass cap.

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

T9SR20E in N. and
1913 in S. half;
S10 in N. W.
S11 in N. E.
S14 in S. E. and
S15 in S. W. quadrant; from which
An oak 12 ins. diam., bears N. 82° W. 212
lks. dist., marked T9SR20ES10BT.
An oak 10 ins. diam., bears N. 80° E. 191
lks. dist., marked T9SR20ES11BT.
A juniper .8 ins. diam., bears S. 67° E. 180
lks. dist., marked T9SR20ES14BT.
An oak 8 ins. diam., bears S. 68° W. 179
lks. dist., marked T9SR20ES15BT.

Land, mountainous and rolling.
Soil, rocky; 4th. rate.
Timber, oak, juniper, pinon and cedar.
Undergrowth, manzanita and oak.

October 8, 1913.

1913.
October 9th At 8h. 00m. a.m., l.m.t., I set off 32° 39' N.
on the lat. arc; 6° 10' S. on the decl. arc; and
determine a meridian with the solar at the cor. of secs.
10, 11, 14 and 15., above described.

Thence I run
East, on a random line, bet. secs. 11 and 14.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
79.90 Intersect N. and S. line 5 lks. S. of the cor. of secs.
11, 12, 13, and 14. ~~hereinbefore~~ described
Thence I run
S. 89° 58' W. ^{ON A TRUE LINE} bet. secs. 11 and 14.
5.50 Over rolling land, through scattering brush and timber.
A point from which
A. F. Gardner's house bears N. 69° 20' W.
20.40 Cross wash 20 lks. wide course N. E.
39.95 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S11 in N.
and S14 1913 in S. half; from which
An oak 5 ins. diam., bears N. 46° E. 77
lks. dist., marked $\frac{1}{4}$ S11BT.
An oak 6 ins. diam., bears S. 14° E. 52
lks. dist., marked $\frac{1}{4}$ S14BT.
79.90 The cor. of secs. 10, 11, 14 and 15. ~~hereinbefore~~ described
Land, rolling.
Soil, rocky; 4th. rate.
Timber, oak, pinon and juniper.
Undergrowth, oak.

N. 0° 01' W. bet. secs. 10 and 11
Through scattering timber, descend slightly to
3.50 Cross wash 100 lks. wide course N. E. Ascend along S. E.
slope of mountain.
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S10 in W.
S11 in E. and 1913 in S. half; and raise a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
45.00 Descend N. E. slope.
55.40 Cross fence beras N. E. and S. W.
56.20 Cross wash 20 lks. wide course N. E. ascend.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the
ground for cor. of secs. 2, 3, 10 and 11, marked on brass
cap
T9SR20E in N. and
1913 in S. half;
S3 in N. W.
S2 in N. E.

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

S11 in S. E. and

S10 in S. W. quadrant; from which.

An oak 10 ins. diam., bears N. 2° W. 70
lks. dist., marked T9SR20ES3BTAn oak 12 ins. diam., bears S. 8° W. 65
lks. dist., marked T9SR20ES10BT.No other trees available. Raise a mound of stone 2 ft.
base 1½ ft. high, W. of cor. Pits impracticable.

Land, mountainous.

Soil, rocky; 4th. rate.

Timber, oak, pinon and juniper.

Note: At this cor. I set off 6° 14½' S. on the
decl. arc; and observe the sun on the meridian at noon;
the resulting lat. is 32° 40' N.

40.00 N. 89° 58' E. on a random line bet. secs. 2 and 11
Set temp. ¼ sec. cor.
79.96 Intersect N. and S. line 12 lks. N. of the cor. of secs.
1, 2, 11 and 12. ~~hereinbefore~~ described

Thence I run

Over ~~rolling~~ N. 89° 57' W. bet. secs. 2 and 11 on a true line.
Over ~~rolling~~ land, through scattering timber.

1.80 Cross road bears N. E. and S. W.

22.40 Cross wash 70 lks. wide course S. E.

14.10 Cross same wash 60 lks. wide course N. E.

39.98 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
ground for ¼ sec. cor., marked on brass cap ¼S2 in N.
and S11 1913 in S. half; from whichAn oak 9 ins. diam., bears N. 24° W. 92
lks. dist., marked ¼S2BT.And oak 6 ins. diam., bears S. 34° W. 88
lks. dist., marked ¼S11BT.

79.50 Cliff 30 ft. high.

79.96 The cor. of secs. 2, 3, 10 and 11. ~~hereinbefore~~ described

Land, rolling.

Soil, rocky; 4th. rate.

Timber, oak and ash.

40.00 N. 0° 01' W. on a random line bet. secs. 2 and 3.
Set temp. ¼ sec. cor.

79.83 Intersect N. bdy. of Tp. 12 lks. W. of the cor. of secs.
2, 3, 34 and 35, recently estab. by me as described in Book
"A." Thence I run

S. 0° 04' W. on a true line bet. secs. 2 and 3.

Descend S. E. slope of canyon through dense brush.

1.65 Cross wash 80 lks. wide course N. E. and ascend along
N. W. slope.

39.83 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the
ground for ¼ sec. cor., marked on brass cap ¼S3 in W.
S2 in E. and 1913 in S. half; and raise a mound of stone
2 ft. base 1½ ft. high, W. of cor. Pits impracticable.

50.25 Rim of canyon and over point of ridge.

68.10 Cross wash 12 lks. wide course N. E. and ascend.

79.83 The cor. of secs. 2, 3, 10 and 11. ~~hereinbefore~~ described

Land, mountainous.

Soil, rocky; 4th. rate.

Timber, scattering oak and pinon.

Undergrowth, oak.

October 9, 1913.

GENERAL DESCRIPTION.

The portion of this township surveyed lies at foot of
the Galiuros Mts. and is generally rolling. The soil is
generally rocky and 4th. rate. There is a scattering
growth of ash, oak, pinon, juniper and cedar timber
which grows dense on the mountain slopes. There is no

Partial Subdivision of Tp. 9 S. Rg. 20 E.

Chains.

water in the township. There is one settler, A. F. Gardner the applicant for the survey, in sec. 11.

John F. Hesse
U. S. Surveyor.

FOR FINAL OATH OF UNITED STATES SURVEYOR.
(See Book " ZB " of Group 18)

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 21*, 1914

The foregoing field notes of the survey of part of the
Subdivision lines of
Township No 9 South, Range No, 20 East
of the Gila and Salt River Base and Meridian
Arizona

executed by John F. Hesse, U.S. Surveyor
under his special instructions ~~dated~~ for Group 6 dated August 25, 1910, 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
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.~~

U. S. Surveyor General.