

Accepted, Dept letter 8. <sup>MAJ 20</sup> Oct 4-07.

D. k C.

2117

BOOK 2117

170  
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# FIELD NOTES

2117

OF THE SURVEY OF THE

2117

East boundary of Township 9 N., R.  
14 E.,

2117

Of the Gila & Salt River Base & Meridian,

Arizona

AS SURVEYED BY

William L. Marcy, United States Deputy Surveyor,

Under his Contract No. 147, dated July 10th, 1907

Survey commenced July 29th, 1907

Survey completed July 30th, 1907

2117

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BOOK 2117  
NAMES AND DUTIES OF ASSISTANTS.

Geo. G. Ehrenborg

John Harding Cline

} Chairmen

John M. Frayer

Moundman

Joe Cline

ax man

Chas Neumayer

Flagman

BOOK 2117

INDEX DIAGRAM.

Township 9 N, Range 14 E

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

Meanders Page.....

173  
10  
BOOK 2117

PRELIMINARY OATHS OF ASSISTANTS.

WE, Geo. G. Ehrenborg and John Harding Culin  
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

East bdy of Sp. 9 N., R. 14 E.

Geo. G. Ehrenborg, Chainman.

John Harding Culin, Chainman.

Subscribed and sworn to before me this 29th  
day of July, 1907



William L. Marcy  
U. S. Deputy Surveyor  
no notary available

I, John M. Trayer

do solemnly swear that ~~we~~ I 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

East bdy. of Sp 9 N., R. 14 E.

John M. Trayer, Moundman.

Moundman.

Subscribed and sworn to before me this 29th  
day of July, 1907



William L. Marcy  
U. S. Deputy Surveyor  
no notary available

I, Joe Cline

do solemnly swear that ~~we~~ I 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

East bdy. of Sp. 9 N. R. 14 E.

Joe Cline, Axman.

Axman.

Subscribed and sworn to before me this 29th  
day of July, 1907



William L. Marcy  
U. S. Deputy Surveyor  
no notary available

I, Chas. Neumayer, 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

East bdy. of Sp. 9 N., R. 14 E.

Chas Neumayer Flagman.

Subscribed and sworn to before me this 29th  
day of July, 1907



William L. Marcy  
U. S. Deputy Surveyor  
no notary available

July 29, 1907; At 7:30 a.m., l.m.t., I set off  $34^{\circ} 04'$  N. on the lat. arc;  $18^{\circ} 57'$  N. on the decl. arc., and determine a true meridian with the Solar attachment, at the standard corner of Tps. 9 N., Rs. 14 and 15 E., which is a sandstone 8 x 8 x 6 ins. above ground, previously set by me.

Thence I run

North on E. boundary of Tp. 9 N., R. 14 E., between sec. 31 and 36.

Over gently rolling mesa, through heavy timber and dense oak undergrowth.

- 9.10 Trail, brs. E. and W.  
 9.30 Dry wash, 20 lks. wide, course S. W.  
 17.90 Dry wash, 15 lks. wide, course S. W.  
 40.00 Set a sandstone 18 x 14 x 6 ins., 13 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which  
 A juniper 30 ins. diam. brs. S.  $34^{\circ}$  E. 13 lks. dist; marked  $\frac{1}{4}$  S<sup>34</sup>B T.  
 A juniper 30 ins. diam. brs. N.  $32^{\circ} 30'$  W. 133 lks. dist; marked  $\frac{1}{4}$  S<sup>32</sup>B T  
 51.00 Dry wash, 15 lks. wide, course N. E.  
 75.65 Dry wash, 20 lks. wide, course N. E.  
 80.00 Set a sandstone 18 x 12 x 5 ins., 13 ins. in the ground, for cor. of secs. 25 and 36, marked with 1 notch on the S. and 5 notches on the N. edge, from which  
 A juniper 10 ins. diam. brs. N.  $22^{\circ} 30'$  E. 21 lks. dist; marked T 9 N R 15 E S 30 B T  
 A juniper 20 ins. diam. brs. S.  $82^{\circ} 30'$  E. 157 lks. dist; marked T 9 N R 15 E S 31 B T  
 A juniper 20 ins. diam. brs. S.  $28^{\circ}$  W. 65 lks. dist; marked T 9 N R 14 E S 36 B T  
 A juniper 38 ins. diam. brs. N.  $53^{\circ} 15'$  W. 30 lks. dist; marked T 9 N R 14 E S 25 B T

Land, gently rolling.

Soil, gravelly; 3rd rate.

Timber, juniper oak cedar; undergrowth, oak and manzanita.

Land heavily timbered or covered with dense undergrowth, 80.00 chs.

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 North, between secs. 25 and 30.

- 13.00 Trail from Pleasant Valley to Bibien Creek, brs. S. E.  
 14.25 Dry wash, 15 lks. wide, course N. E.  
 17.00 Begin steep descent.  
 29.90 Pine Creek, 40 lks. wide, course N. W.; leave heavy timber, ascend through dense oak undergrowth.  
 40.00 Cor. point falls on a porphyry rock in place, 5 x 4 x 3 ft. above ground. Chisel a cross (x) for exact  $\frac{1}{4}$  sec. cor. and  $\frac{1}{4}$  on W. face, from which  
 An oak 10 ins. diam. brs. S.  $34^{\circ}$  W. 17 lks. dist.; marked  $\frac{1}{4}$  S<sup>34</sup>B T.  
 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. No other tree available.  
 43.20 Spur, extending N. W.; descend.  
 70.50 Gulch, 25 lks. wide, course W; ascend.  
 80.00 Set a sandstone 21 x 10 x 8 ins. 16 ins. in the ground, for cor. of secs. 24 and 25, marked with 2 notches on the S. and 4 notches on the N. edge, from which  
 A juniper 24 ins. diam. brs. S.  $53^{\circ}$  W. 8 lks. dist; marked T 9 N R 14 E S 25 B T.  
 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. No other trees available.

Land, mountainous and gently rolling.

Soil, gravelly, stony, and rocky; 3rd and 4th rate.

Timber, pine, juniper, oak; undergrowth, oak and manzanita, tesotilla.

Mountainous or land covered with heavy timber and dense undergrowth, 80.00 chs.

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 North, between secs. 19 and 24.

Over mountainous land, ascending through scattering timber and dense undergrowth.

- 2.00 Top of mesa, brs. E. and W.  
 20.00 Descend through heavy timber.  
 35.80 Gulch, 20 lks. wide, course W.; enter gently rolling land.  
 40.00 Set a quartz stone 18 x 10 x 6 ins., 13 ins. in the ground, for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which  
     A juniper 20 ins. diam. brs. S. 89° E. 75 lks. dist; marked  $\frac{1}{4}$  S<sup>18</sup>B T.  
     A juniper 30 ins. diam. brs. N. 87° W. 47 lks. dist; marked  $\frac{1}{4}$  S<sup>24</sup>B T.  
     Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 49.00 Dry creek, 40 lks. wide, course S. W.; ascend along E. slope of spur, leave heavy timber.  
 49.50 Trail, brs. N. E. and S. W.  
 80.00 Set a sandstone 18 x 8 x 6 ins., in mound of stone, for cor. of secs. 13<sup>18</sup> and 24, marked with 3 notches on N. and S. edges, from which  
     An oak 12 ins. diam. brs. N. 54° 30' E. 39 lks. dist; marked T 9 N R 15 E S 18 B T  
     A juniper 24 ins. diam. brs. S. 30° E. 87 lks. dist; marked T 9 N R 15 E S 19 B T.  
     An oak 14 ins. diam. brs. S. 14° W. 87 lks. dist; marked T 9 N R 14 E S 24 B T  
     An oak 12 ins. diam. brs. N. 36° 30' W. 13 lks. dist; marked T 9 N R 24 E S 13 B T  
     Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 Land, mountainous and gently rolling.  
 Soil, gravelly and stony; 3rd and 4th rate.  
 Timber, oak, juniper, pine and pinyon; undergrowth, oak, manzanita, buck brush.  
 Mountainous or land covered with heavy timber and dense undergrowth, 80.00 chs. July 29, 1908.
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- July 30, 1907; At 8:30 a.m., l.m.t., I set off 34° 07' N. on the lat. arc; 18° 43' N. on the decl. arc; and determine a true meridian with the solar, at the cor. of secs. 13 and 24, set last night.  
 Thence I run  
 North, between secs. 13 and 18.  
 Over mountainous land, ascending through heavy timber and dense oak undergrowth.  
 2.30 Gulch, 15 lks. wide, course S. E.  
 26.30 Top of ridge, brs. E. and W.  
 28.00 Descend steeper.  
 37.40 Foot of steep descent; thence along spur extending N; leave dense undergrowth.  
 40.00 Set a sandstone 18 x 8 x 5 ins. 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor, marked  $\frac{1}{4}$  on W. face, from which  
     A pine 6 ins. diam. brs. S. 77° 30' E. 5 lks. dist; marked  $\frac{1}{4}$  S<sup>18</sup>B T  
     A pine 12 ins. diam. brs. N. 35° 30' W. 29 lks. dist; marked  $\frac{1}{4}$  S<sup>18</sup>B T.  
     Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
 56.40 Dry wash, 20 lks. wide, course W.; ascend.  
 n59.70 Spur, extending W; descend.  
 64.60 Dry wash, 20 lks. wide, course S. W.; ascend.  
 80.00 Set a porphyry stone 18 x 10 x 5 ins., 13 ins. in the ground, for cor. of secs. 12 and 13, marked with 2 notches on N. edge and 4 notches on S. edge, from which  
     A pine 24 ins. diam. brs. N. 56° E. 89 lks. dist; marked T 9 N R 15 E S 7 B T  
     A juniper 18 ins. diam. brs. S. 13° 30' E. 102 lks. dist; marked T 9 N R 15 E S 18 B T  
     A juniper 14 ins. diam. brs. S. 56° 30' W. 45 lks. dist; marked T 9 N R 14 E S 13 B T

An oak 16 ins. diam. brs. N. 69° W. 30 lks. dist;  
marked T 9 N R 14 E S 12 B T

Land, mountainous.

Soil, gravelly and stony; 3rd and 4th rate

Timber, oak, pine, juniper and pinyon; undergrowth,  
oak, manzanita, buck brush and mesal.

Mountainous, or land covered with heavy timber and dense  
undergrowth, 80.00 chs.

North between secs. 7 and 12.

Over mountainous land, ascending through heavy timber and  
dense undergrowth.

1.45 Spur, extending E; descend.

11.80 Dry wash, 15 lks. wide, course E; thence along E. slope  
of ridge.

26.60 Begin descent from slope.

40.00 Set a sandstone 18 x 12 x 8 ins., 13 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor, marked  $\frac{1}{4}$  on W. face, from which

An oak 14 ins. diam. brs. N. 84° E 19 lks. dist;  
marked  $\frac{1}{4}$  S7B T.

A pine 30 ins. diam. brs. S. 53° 30' W. 100 lks. dist;  
marked  $\frac{1}{4}$  S2B T

48.00 Dry wash, 30 lks. wide, course N. W.; ascend.

51.84 Pine, 20 ins. diam. on line.

52.00 Spur, extending W.; descend.

61.00 Dry wash, 15 lks. wide; enter gently rolling land.

72.20 Dry wash, 30 lks wide, course W.; ascend.

80.00 Set a porphyry stone 18 x 10 x 8 ins., 14 ins. in the  
ground, for cor. of secs. 11 and 12, marked with  
1 notch on N. edge, and 5 notches on S. edge, from  
which

A juniper 32 ins. diam. brs. N. 47° 30' E. 96 lks.  
dist; marked T 9 N R 15 E S 6 B T.

A juniper 40 ins. diam. brs. S. 75° 30' E. 92 lks.  
dist; marked T 9 N R 15 E S 7 B T

An oak 14 ins. diam. brs. S. 8° W. 55 lks. dist;  
marked T 9 N R 14 E S 12 B T

A pine 22 ins. diam. brs. N. 12° 30' W. 66 lks. dist;  
marked T 9 N R 14 E S 1 B T

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. or  
cor.

Land, mountainous and gently rolling.

Soil, gravelly and stony, 3rd and 4th rate.

Timber, pine, juniper, oak and pinyon; undergrowth,  
oak and pine.

Mountainous or land covered with heavy timber and dense  
undergrowth 80.00 chs.

North, between secs. 1 and 6.

Over mountainous land, ascending through heavy timber and  
dense undergrowth

10.00 Top of ridge, brs. N. W. and S. E.; leave dense under-  
growth.

18.75 Road from Pleasant Valley to Holbrook, brs. N. W. and  
S. E.

20.00 Descend.

40.00 Set a sandstone 21 x 12 x 5 ins., 14 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on W. face, from which

A juniper 24 ins. diam. brs. N. 51° 30' W. 25 lks.  
dist; marked  $\frac{1}{4}$  S1B T

A pine 24 ins. diam. brs. S. 70° E. 76 lks. dist;  
marked  $\frac{1}{4}$  S6B T

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of  
cor.

59.35 Gulch, 45 lks. wide, course N. W.; water in holes;  
Ascend.

70.00 Top of slope; thence over nearly level land.

80.00 Set a sandstone 21 x 10 x 8 ins., 16 ins. in the ground,  
for cor. of Tps. 9 and 10 N., Rs. 14 and 15 E., marked  
with six notches on each edge, from which

A juniper 20 ins. diam. brs. N. 86° 30' E. 248 lks. dist; marked T 10 N R 15 E S 31 B T  
 A juniper 24 ins. diam. brs. S. 51° E. 128 lks. dist; marked T 9 N R 15 E S 6 B T  
 A pine 24 ins. diam. brs. S. 81° 30' W. 82 lks. dist; marked T 9 N R 14 E S 1 B T  
 A pine 24 ins. diam. brs. N. 31° W. 67 lks. dist; marked T 10 N R 14 E S 36 B T.  
 Raise a mound of stone 2 ft. base, 1½ ft. high S. of cor.

Land, mountainous and nearly level.  
 Soil, gravelly and rocky 2nd, 3rd and 4th rate.  
 Timber, pine, juniper, oak and pinyon; undergrowth, oak, pine, buck brush.  
 Mountainous, or land covered with heavy timber and dense undergrowth, 80.00 chs.

July 30, 1907.

N O T E.

Having now completed sufficient lines to enable Deputy E. C. Dietrich to complete the surveys of Tps. 9 N., Rs. 13 and 14 E., I discontinue survey under Contract No. 147 for the present.

*William L. Marcy*  
 U. S. Deputy Surveyor.

G E N E R A L D E S C R I P T I O N.

The East boundary of Township 9 N. R. 14 E. traverses a mountainous country, well watered and heavily timbered. The soil is generally very rocky and classed 3rd and 4th rate.

*William L. Marcy*  
 U. S. Deputy Surveyor.

*For authority for red-ink corrections  
 see Deputy's letter 11/18/08*



FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by William L. Marcy, 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 East bdy. of Tp. 9 N., R. 14 E.

showing the respective capacities in which they acted:

- Geo. G. Ehrenborg, Chairman.
- John Harding Cullen, Chairman.
- John M. Drayer, Moundman.
- Joe Cline, Moundman.
- Joe Cline, Axman.
- Joe Cline, Axman.
- Chas. Neumayer, Flagman.

FINAL OATH OF ASSISTANTS

We hereby certify that we assisted William L. Marcy, United States Deputy Surveyor, in surveying all those parts or portions of the East bdy. of Tp. 9 N., R. 14 E.

of the Tila and Salt River Basin meridian, Territory 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

- Geo. G. Ehrenborg, Chairman.
- John Harding Cullen, Chairman.
- John M. Drayer, Moundman.
- John M. Drayer, Moundman.
- Joe Cline, Axman.
- Joe Cline, Axman.
- Chas. Neumayer, Flagman.

Subscribed and sworn to before me this 31<sup>st</sup> day of July, 1907



William L. Marcy  
U. S. Deputy Surveyor  
No notary available

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, William L. Macey United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 10th day of July, 1907, 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 East bdy. of Sp. 9 N., R. 14 E.

Base X of the Gila & Salt River 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 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.

William L. Macey  
United States Deputy Surveyor.

Subscribed by said William L. Macey, and sworn to before me }  
this 18th day of December, 1907

James R. Sumsit  
U. S. Commissioner 1st Jud. Dist.  
Territo of Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Horace A. King Aug 18, 1907  
The foregoing field notes of the survey of the East Boundary of Sp. 9 N. R. 14 East Gila and Salt River Base and Meridian, Arizona

executed by William L. Macey, U.S. Deputy Surveyor under his contract No. 147, dated July 10, 1907, 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.