

Accepted May 31, 1912.

2264

2264

FIELD NOTES

OF THE SURVEY OF THE BOOK 2264

East ^{and fractional} North Boundaries of
T. 9 N. R. 14 W.

2264

2264

Of the T. 9 N. R. 14 W. Meridian,

In the State of Arizona

EXECUTED BY

John P. Hesse

In the capacity of U. S. ^{Assistant} ~~Surveyor~~, under instructions dated August 25, 1910,
issued by the United States Surveyor General to govern surveys included in
Group No. 4, which were approved by the Commissioner of the General Land
Office, September 9, 1910, pursuant to authority contained in the Act of
Congress dated June 25, 1910 ^{and March 4, 1911}

Survey commenced March 17, 1911

Survey completed 20, 1911

2264

2264

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 2264

INDEX DIAGRAM.

Township 9 N, Range 14 W.

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 _____

WE, A. E. Lyon and J. H. Bates
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 the W. bdy. of Twp. 9 N. Rg. 13 W. and the facit. S. bdy. of Twp. 10 N. Rg. 14 W.

A. E. Lyon, Chainman.
J. H. Bates, Chainman.

Subscribed and sworn to before me this 17th
day of March, 1911

John P. Hesse
U. S. Transitman



WE, R. L. Bates 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 the W. bdy. of Twp. 9 N. Rg. 13 W. and the facit. S. bdy. of Twp. 10 N. Rg. 14 W.

R. L. Bates, Moundman.
_____, Moundman.

Subscribed and sworn to before me this 17th
day of March, 1911

John P. Hesse
U. S. Transitman



WE, Ed. Brockway 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. bdy. of Twp. 9 N. Rg. 13 W. and the facit. S. bdy. of Twp. 10 N. Rg. 14 W.

Ed. Brockway, Axman.
_____, Axman.

Subscribed and sworn to before me this 17th
day of March, 1911

John P. Hesse
U. S. Transitman



I, L. E. Planagan, 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 the W. bdy. of Twp. 9 N. Rg. 13 W. and the facit. S. bdy. of Twp. 10 N. Rg. 14 W.

L. E. Planagan, Flagman.

Subscribed and sworn to before me this 17th
day of March, 1911

John P. Hesse
U. S. Transitman



871B

West boundary of Township 9 North, Range 13 West.
Chains.

March 17: At the standard corner of Tps.9 N., Rgs.13 and 14 W., heretofore described in Book G, I set off $34^{\circ}04\frac{1}{2}'$ N. on the lat. arc; $1^{\circ}36'$ S. on the decl. arc; and at 8h.00m.a.m., l.m.t., determine with the solar a meridian and mark a point thereof on a stone firmly set in the ground 5 chs. N. of the corner.

At 7h.46m.p.m., by my watch, which has correct l.m.t., I observe Polaris at western elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

March 17, 1911.

March 18: At 6 a.m., l.m.t., I set off the azimuth of Polaris $1^{\circ}24'$ to the east, and mark the meridian thus determined, by cutting a small groove on the stone set March 17, on which the meridian coincides with the mark determined by the solar.

At 7h.00m.a.m., l.m.t., I set off $34^{\circ}04\frac{1}{2}'$ N. on the lat. arc; $1^{\circ}12'$ S. on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian determined by the Polaris observation.

The magnetic declination is $15^{\circ}00'E$.

From the standard corner of Tps.9 N., Rgs.13 and 14 W., previously described, I run, North, between secs.31 and 36. Over level land, through dense brush.

- 2.57 Cross road, bears E. and W.
 - 12.92 Ives Peak bears $N.33^{\circ}25'E$.
 - 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. and S 31 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of corner.
 - 73.58 Cross wash, 25 lks. wide, course NW.
 - 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36, marked on brass cap,
 - T 9 N in N. half;
 - R 14 W S 25 in NW.,
 - R 13 W S 30 in NE.,
 - S 31 in SE., and
 - S 36 in SW. quadrant; dig pits 18x18x12 ins., in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
- Land, level.
Soil, sandy loam, medium texture, dry, 1st. rate.
No timber.
Undergrowth, greasewood, catclaw and palo verde.

North between secs.25 and 30. Over level land, through dense brush

- 7.71 Cross wash, 75 lks. wide, course SW.
- 14.00 Cross wash, 50 lks. wide, course SW.
- 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 $\frac{1}{4}$ S 25 in W. and S 30 in E. half; dig pits 18x18x12 ins. N. and S. of post

2. West boundary of Township 9 North. Range 13 West.

Chains.

3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of corner.
80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for corner of secs. 19, 24, 25 and 30, marked on brass cap,
T 9 N in N. half;
R 14 W S 24 in NW.,
R 13 W S 19 in NE.,
S 30 in SE., and
S 25 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of corner.
Land, level.
Soil, sandy loam, mixed with gravel and rocks; coarse texture, dry, 3rd rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.

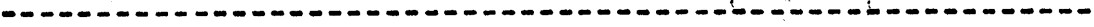
North, between secs. 19 and 24.
Over nearly level land, through dense brush.
2.75 Cross wash, 75 lks. wide, course W.
17.00 Cross wash, 100 lks. wide, course SW.
34.10 Cross wash, 15 lks. wide, course SE.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 24 in W. and S 19 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impracticable.
From this corner Ives Peak bears N. $49^{\circ}20'$ E.
62.00 Ascend steep rocky S. slope of mountain.
73.25 Ridge bears E. and W.; descend.
78.15 Cross wash, 30 lks. wide, course SE.; ascend.
80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for corner of secs. 13, 18, 19 and 24, marked on brass cap,
T 9 N in N. half;
R 14 W S 13 in NW.,
R 13 W S 18 in NE.,
S 19 in SE., and
S 24 in SW. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impracticable.
Land, level and mountainous.
Soil, rocky and worthless; 4th rate.
No timber.
Undergrowth, greasewood, palo verde and cactus.
March 18: At this corner I set off 1°9' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ}07'$ N.

North, bet. secs. 13 and 18.
Ascend steep S. slope over loose rocks, through dense brush.
7.11 Ridge bears E. and W.; descend.
15.35 Cross wash, 25 lks. wide, course SE.; ascend.
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 13 in W. and S 18 in E. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impracticable.
64.85 Ridge bears E. and W.; descend.
72.50 Cross wash, 30 lks. wide, course NE.; ascend.
79.75 Ridge, bears E. and W.; descend.
80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in

West boundary of Township 9 North, Range 13 West.

Chains.

the ground for corner of secs.7,12,13 and 18, marked on brass cap,
 T 9 N in N.half;
 R 14 W S 12 in NW.,
 R 13 W S 7 in NE.;
 S 18 in SE., and
 S 13 in SW. quadrant; and raise a mound of stone 2 ft.base, 1½ ft. high,W.of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky; worthless.
 No timber.
 Undergrowth, greasewood, palo verde and cactus.
 March 18,1911.



March 19: At 7h.00m.a.m., 1.m.t., I set off 34°08'N.on the lat.arc; 0°48'S.on the decl.arc; and determine a meridian with the solar at the cor.of secs.7,12,13 and 18. Thence I run,
 North, bet. secs.7 and 12.
 Descending steep rocky N.slope, through scattering brush.
 6.50 Wash,12 lks.wide, course W.,and ascend.
 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 cap ¼ S 12 on W. and S 7 on E.half; and raise a mound of stone 2 ft.base, 1½ ft. high,W.of corner. Pits impracticable.
 41.50 Ridge bears E.and W.; descend.
 47.00 Wash,10 lks.wide course NW.; ascend.
 54.00 Ridge bears NW.and SE.; descend.
 76.50 Wash,12 lks.wide,course NW.
 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for corner of secs.1,6,7 and 12, marked on brass cap,
 T 9 N in N.half;
 R 14 W S 1 in NW.,
 R 13 W S 6 in NE.,
 S 7 in SE., and
 S 12 in SW. quadrant; and raise a mound of stone 2 ft.base, 1½ ft. high,W.of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky, worthless.
 No timber.
 Undergrowth, greasewood,palo verde and cactus.



North, between secs.1 and 6.
 Descending general NW. slope of mountains, cut by deep box canyons, over loose rocks through scattering brush.
 8.50 Wash, 25 lks.wide, course NW.
 19.50 Wash, 12 lks.wide, course NW.
 26.00 Wash, 15 lks.wide, course NW.
 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 cap ¼ S.1 in W. and S 6 in E.half; and raise a mound of stone 2 ft.base, 1½ ft. high,W.of cor. Pits impracticable.
 46.00 Wash,100 lks.wide, course NW.
 46.50 Road in wash bears NW. and SE.
 54.50 Wash,100 lks.wide, course NW.
 57.50 Wash,100 lks.wide, course NW.
 59.00 Wash, 35 lks.wide, course NW.

4. West boundary of Township 9 North, Range 13 West.

Chains.

- 62.27 Wash, 30 lks. wide, course NW.
 67.34 Wash, 30 lks. wide, course NW.
 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for corner of Tps. 9 and 10 N., Rgs. 13 and 14 W., marked on brass cap,
 T 10 N in N.,
 R 13 W in E,
 T 9 N in S., and
 R 14 W in W. half;
 S 36 in NW.,
 S 31 in NE.,
 S 6 in SE., and
 S 1 in SW. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, S. of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky, worthless.
 No timber.
 Undergrowth, greasewood, palo verde and cactus.
 March 19: At this corner I set off $0^{\circ}45'S$ on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ}09\frac{1}{2}'N$.

South boundary of Township 10 North, Range 14 West.

- From above Tp. cor. I run,
 West, between secs. 1 and 36.
 Along rough NW. slope of mountains, cut by deep box canyons, over loose rocks through scattering brush.
- 10.35 Wash, 8 lks. wide, course SW.
 13.64 Wash, 10 lks. wide, course N.
 20.87 Road bears NW. and SE.
 21.00 Wash, 200 lks. wide, course NW.
 34.00 Wash, 14 lks. wide, course N.
 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 N. and S 1 in S. half; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of corner. Pits impracticable.
- 42.50 Wash, 20 lks. wide, course NW.
 51.80 Wash, 8 lks. wide, course NW.
 60.35 Wash, 25 lks. wide, course NW.
 62.25 Wash, 8 lks. wide, course NW.
 68.00 Wash, 200 lks. wide, course NW.
 80.00 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 1, 2, 35 and 36, marked on brass cap,
 T 10 N in N.,
 T 9 N in S., and
 R 14 W in W. half;
 S 35 in NW.,
 S 36 in NE.,
 S 1 in SE., and
 S 2 in SW. quadrant; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of corner. Pits impracticable.
 Land, mountainous.
 Soil, rocky, worthless.
 No timber.
 Undergrowth, greasewood, palo verde and cactus.
 March 19, 1911.

March 20: At 7h.00m., a.m., l.m.t., I set off $34^{\circ}09\frac{1}{2}'N$ on the lat. arc; $0^{\circ}24\frac{1}{2}'S$ on the decl. arc; and determine a meridian with the solar at the corner of secs. 1, 2,

Chains,

,35 and 36.

Thence I run,

West, bet. secs.2 and 35.

Along rough N.slope of mountains, cut by deep box canyons,
over loose rocks, through scattering brush.

- 3.50 Wash,12 lks.wide, course N.
 10.50 Wash,10 lks.wide, course N.
 20.20 Wash,40 lks.wide, course NW.
 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 35
 in N. and S 2 in S.half; and raise a mound of stone 2
 ft.base, $1\frac{1}{2}$ ft. high,N.of cor. Pits impracticable.
- 49.50 Wash 10 lks.wide, course NW.
 55.50 Wash,10 lks.wide, course NW.
 59.50 Wash, 20 lks.wide, course NW.
 70.50 Wash,20 lks.wide, course NW.
 77.50 Wash,30 lks.wide, course NW.
 80.00 Set an iron post 3 ft. long, 3 ins, diam., 24 ins. in the
 ground for cor.of secs.2,3,34 and 35, marked on brass
 cap,
 T 10 N in N.,
 T 9 N in S., and
 R 14 W in W.half;
 S 34 in NW.,
 S 35 in NE.,
 S 2 in SE., and
 S 3 in SW. quadrant; and raise a mound of stone 2 ft
 base, $1\frac{1}{2}$ ft. high,W.of corner. Pits impracticable.
- Land, mountainous.
 Soil, rocky, worthless.
 No timber.
 Undergrowth, greasewood,palo verde and cactus.

GENERAL DESCRIPTION.

As there is only about 1 section of land in this township that is of value for agricultural or grazing purposes, I do not survey any more of the boundaries of the township. This township is very rough and mountainous, and the soil is generally rocks and worthless excepting for a small valley on the Bill Williams Fork where there is probably one section of land with fertile soil. There is no timber in the township.

John F. Heese
 U. S. Transitman.

LIST OF NAMES.

A list of the names of the individuals employed by John P. Hesse
Transitman, 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. bdy. of
Tp. 9 N. Rg. 13 W. and the frac'l. S. bdy of Tp. 10 N. Rg. 14 W.
showing the respective capacities in which they acted:

A. E. Lyon Chainman.

J. H. Bates Chainman.

R. L. Bates Moundman.

..... Moundman.

Ed. Brockway Axman.

..... Axman.

L. C. Flanagan Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John P. Hesse
Transitman, United States Deputy Surveyor, in surveying all
those parts or portions of the W. bdy of Tp. 9 N. Rg. 13 W. and the frac'l.
S. bdy of Tp. 10 N. Rg. 14 W.

..... of the Gila and
Salt River 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

A. E. Lyon Chainman.

J. H. Bates Chainman.

R. L. Bates Moundman.

..... Moundman.

Ed. Brockway Axman.

..... Axman.

L. C. Flanagan Flagman.

Subscribed and sworn to before me this 20th
day of March, 1911

John P. Hesse
U. S. Transitman



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BOOK 2264

FINAL OATH OF UNITED STATES ~~DEPUTY~~ SURVEYOR.

I, John J. Hesse, United States Deputy ^{Transition} Surveyor, do solemnly swear that, in pursuance of a ~~contract~~ ^{instructions} received from Frank D. Myalls United States Surveyor General for Arizona, bearing date of the 25th day of August, 1910, 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 East and fractional North Boundaries of T. 9 N. R. 14 W.

_____ of the G & S R meridian, in the County 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.

John J. Hesse
United States Deputy Surveyor.

Subscribed by said John J. Hesse, and sworn to before me }
this 6th day of June, 1911



Frank D. Myalls
U.S. Sur. Genl for Arizona

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz. July 4th, 1912
The foregoing field notes of the survey of the East and fractional North Boundaries of T. 9 N. R. 14 W. of the G & S R Meridian Arizona,

executed by John J. Hesse N. D. Transition
under his ~~contract~~ ^{group} No. X, 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.

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.