

Accepted May 31-1912

Book D

BOOK 2259

14/1

FIELD NOTES

2259

2259

OF THE SURVEY OF THE

Subdivision Lines T. 7 N. R. 9 W.

2259

2259

Of the *T. 7 N. R. 9 W.* Meridian,

In the ^{Terr.} State of *Arizona*

EXECUTED BY

John J. Hesse
Alfred N. Oliver

In the capacity of U. S. ^{Institution} ~~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. *Amended March 4*, 1911.

Survey commenced *February 9*, 1911.

Survey completed *July 18*, 1911.

2259

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INDEX DIAGRAM.

Township _____, *Range* _____

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(C O P Y)

Maricopa County
Phoenix, Arizona
September 27, 1924.

Mr. J. L. Bone, County Engineer,
Maricopa County, Phoenix, Arizona.

Dear Sir:-

Acting under your instructions, I have investigated the condition of the Public Land Survey Corners Along the county highway through T. 7 N., R. 7 & 8 W., and the East five miles in R. 9 W. I have also investigated the miles between sec. 23 and 24, and 13 and 14, T. 7 N., R. 9 W.. My findings and the corners restored by me are as follows:

In T. 7 N., R. 7 W., the $\frac{1}{2}$ sec. cors. between secs. 15 and 24, 14 and 25, and 16 and 21, reported missing by Mr. W. B. Burt, Special Agent, U. S. General Land Office, are standing in their original positions, on line, and approximately at the midpoint between section corners. Two of these corners are still witnessed by the original pits. The $\frac{1}{2}$ sec. cor. between secs. 17 and 20, was missing. A regulation one inch U. S. General Land Survey Post, properly marked, was set by me at the mid point, and on line between limiting corners. A similar one inch post was set on line between sec. cors. and at distances proportionate to the original field note distances for the $\frac{1}{2}$ sec. cor. of secs. 18 and 19. All section corners along this road were found in good condition.

In T. 7 N., R. 8 W., the $\frac{1}{2}$ sec. cors. between secs. 14 and 23, and 15 and 24 were missing but the sec. cors. were in place. I set a standard one inch iron post for each of these corners, at the mid point, and on line between sec. cors. The $\frac{1}{2}$ sec. Cor. between secs. 16 and 21, and the cor. of secs. 16, 17, 20 and 21 did not appear to be quite in the right place, and the $\frac{1}{2}$ cor. bet. secs. 17 and 20 was missing. I therefore reestablished these three corners by the U. S. G. L. O. method of double proportion, setting a new one inch post for the $\frac{1}{2}$ sec. cor. of secs. 17 and 20. The $\frac{1}{2}$ sec. cor. bet. secs. 18 and 19 was still standing, but it was not exactly at the distance required by the original notes. I moved this corner, reestablishing the same post on line, and at the proportionate point required by the original field notes. I replaced the cor. of secs. 17, 18, 19 and 20, on which the brass cap was missing, with a new two inch regulation post, properly marked.

In T. 7 N., R. 9 W., I reset the original $\frac{1}{2}$ sec. cor. bet. secs. 14 and 23, 15 and 22, 17 and 20, 23 and 24, and 13 and 14, on line and at the mid point between sec. cors. I set a new regulation post at the mid point and on line bet. sec. cors. for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21.

All new corners bear the date 1924.

Very respectfully,
(signed) Herbert H. Bradstreet.

BOOK 2259

see copy of letter herewith

BOOK 2259

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Township 7 N, Range 9 W.

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PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2259

WE, A. E. Lyon and J. N. 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 subdivision lines of Tp. 7 N. Rg. 9 W.

A. E. Lyon, Chairman.

J. N. Bates, Chairman.

Subscribed and sworn to before me this 2nd
day of February, 1911



John P. Hesse
U. S. Transitman

WE, J. R. 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 subdivision lines of Tp. 7 N. Rg. 9 W.

R. L. Bates, Moundman.

_____, Moundman.

Subscribed and sworn to before me this 2nd
day of February, 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 subdivision lines of Tp. 7 N. Rg. 9 W.

Ed. Brockway, Axman.

_____, Axman.

Subscribed and sworn to before me this 2nd
day of February, 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 subdivision lines of Tp. 7 N. Rg. 9 W.

L. E. Planagan, Flagman.

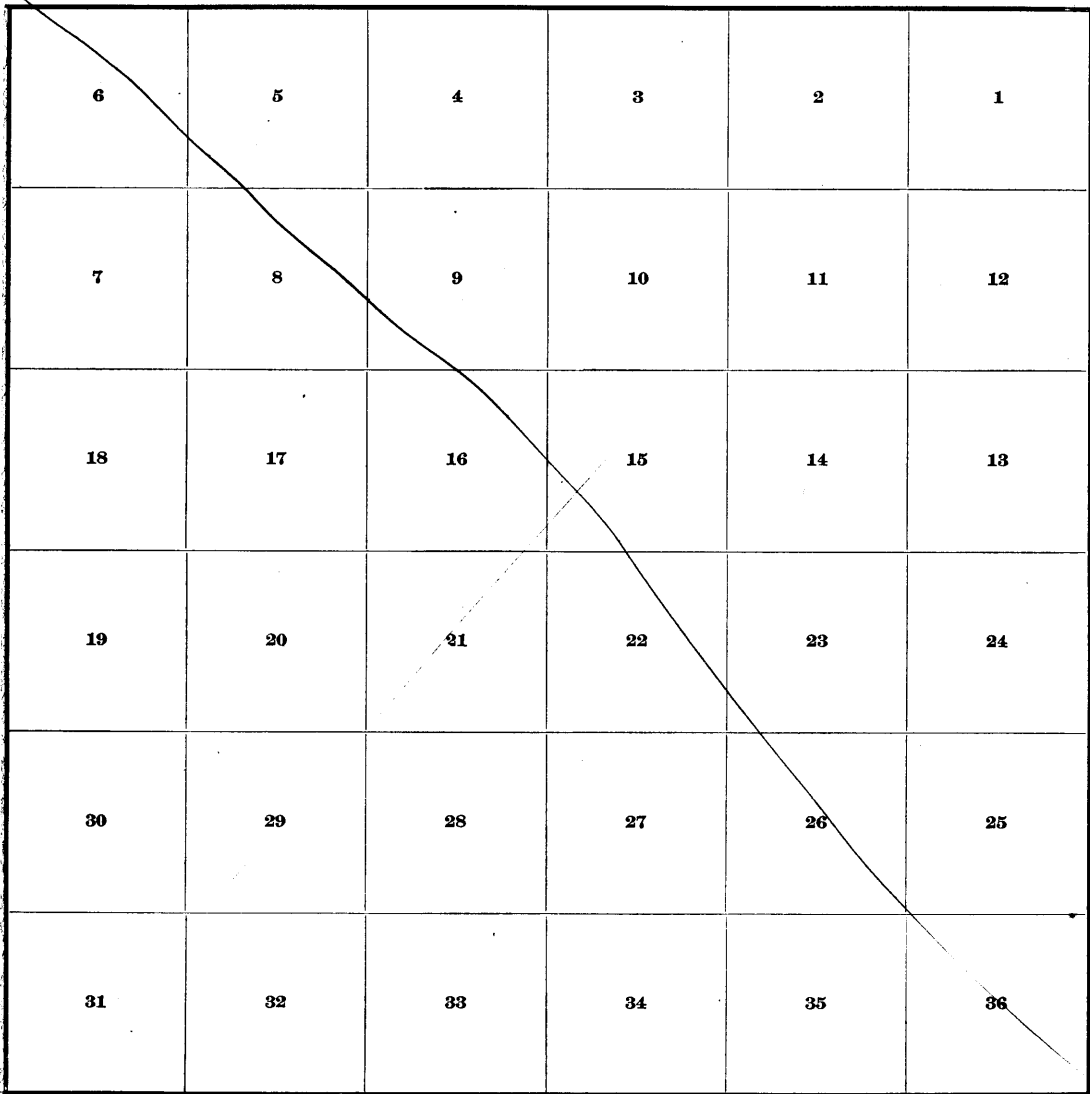
Subscribed and sworn to before me this 2nd
day of February, 1911



John P. Hesse
U. S. Transitman

INDEX DIAGRAM.

Township _____, Range _____



Meanders Page _____

10/44

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2259

WE, R. A. Coombs and W. D. Panner

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 subdivision lines of Tp. 7 N. Rg. 9 W.

R. A. Coombs, Chainman.
W. D. Panner, Chainman.

Subscribed and sworn to before me this 2nd day of February, 1911



Alfred N. Oliver
U.S. Transitman

WE, J. H. P. 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 subdivision lines of Tp. 7 N. Rg. 9 W.

J. H. Bates, Moundman.
Moundman.

Subscribed and sworn to before me this 2nd day of February, 1911



Alfred N. Oliver
U.S. Transitman

WE, J. C. J. Crowen 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 subdivision lines of Tp. 7 N. Rg. 9 W.

J. C. J. Crowen, Axman.
Axman.

Subscribed and sworn to before me this 9th day of February, 1911



Alfred N. Oliver
U.S. Transitman

I, P. Shufessel, 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 subdivision lines of Tp. 7 N. Rg. 9 W.

P. Shufessel, Flagman.

Subscribed and sworn to before me this 2nd day of February, 1911



Alfred N. Oliver
U.S. Transitman

Subdivision of Township 7 North, Range 9 West.

Chains.

Survey commenced February 9, and executed with a W. and L.E. Gurley solar compass, description and test of which will be found in Book A.

At 8h.00m.a.m., l.m.t., I set off $33^{\circ}54'$ N. on the lat. arc; $14^{\circ}50\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36 on the south boundary of the township, and heretofore described in Book B.

Thence I run,
N. $0^{\circ}01'$ W. bet. secs. 35 and 36.

Over level land, through dense brush.

38.10

Cross road bears E. and 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,

$\frac{1}{4}$ S 35 in W., and

$\frac{1}{4}$ S 36 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 cor.

80.00

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36, marked on brass cap,

T 7 N R 9 W in N. half,

S 26 in NW.,

S 25 in NE.,

S 36 in SE., and

S 35 in SW. quadrants; 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, dry, medium texture; 1st rate.

No timber.

Undergrowth, greasewood and catclaw.

40.00

East on a random line, bet. secs. 25 and 36.

Set temporary $\frac{1}{4}$ sec. cor.

80.02

Intersect E. bdy. of township 7 lks. N. of the cor. of secs. 25, 30, 31 and 36.

Thence I run,

N. $89^{\circ}57'$ W., on a true line, bet. secs. 25 and 36.

Over level land, through dense brush.

40.01

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 N., and S 36 in S. half; dig pits 18x18x12

ins. E. and W. of post 3 ft. dist., and raise a mound

of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

80.02

The cor. of secs. 25, 26, 35 and 36.

Land, level.

Soil, sandy loam, dry, medium texture; 1st rate.

No timber.

Undergrowth, greasewood.

40.00

N. $0^{\circ}01'$ W., bet. secs. 25 and 26.

Over level land, through dense brush.

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 26 in W., and S 25 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 cor.

From this cor. M. Lane's house bears N. $51^{\circ}50'$ W. and

T. Schori's house bears N. $8^{\circ}15'$ E.

80.00

Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 23, 24, 25 and 26, marked

on brass cap,

T 7 N R 9 W in N. half;

S 23 in NW.,

S 24 in NE.,

S 25 in SE., and

S 26 in SW. quadrant; dig pits 18x18x12 ins. in

2. Subdivision of Township 7 North, Range 9 West.

Chains

each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, W. of corner.
 From this corner M. Lane's house bears S. $38^{\circ}35'$ W. and T. Schori's house bears N. $25^{\circ}16'$ E.
 Land, level.
 Soil, rich sandy loam; dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood.

S. $89^{\circ}57'$ E. on a random line bet. secs. 24 and 25.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.04 Intersect E. bdy. of township 7 lks. N. of the cor. of secs. 19, 24, 25 and 30.
 Thence I run,
 N. $89^{\circ}54'$ W., on a true line, bet. secs. 24 and 25.
 Over level land, through dense brush.
 40.02 Set an iron post 3 ft. long, 1 inch in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S 24 in N. and S 25 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 49.23 Cross road, bears NW. and SE.
 80.04 The cor. of secs. 23, 24, 25 and 26.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.
 February 9: At this cor. I set off $14^{\circ}49'$ S. on the decl. arc; and observe the sun on the meridian at noon; the resulting latitude is $33^{\circ}55\frac{1}{2}'$ N.

N. $0^{\circ}01'$ W. bet. secs. 23 and 24.
 Over level land, through dense brush.
 25.30 Cross road, bears NW. and SE.
 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 $\frac{1}{4}$ S 23 in W., and S 24 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 cor.
 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,
 T 7 N R 9 W in N. half,
 S 14 in NW.,
 S 13 in NE., and
 S 24 in SE., and
 S 23 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood.

S. $89^{\circ}54'$ E. on a random line bet. secs. 13 and 24.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.98 Intersect E. boundary of township 2 lks. south of the cor. of secs. 13, 18, 19 and 24.
 Thence I run,
 N. $89^{\circ}55'$ W., bet. secs. 13 and 24.
 Over level land, through dense brush.
 39.99 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 N. and S 24 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Subdivision of Township 7 North, Range 9 West.

Chains.

79.98 The cor. of secs. 13, 14, 23 and 24.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.
 February 9, 1911.

February 11, 1911: At 8h.00m.a.m., l.m.t., I set off $33^{\circ}56\frac{1}{2}'$ N. on the lat. arc; $14^{\circ}31\frac{1}{2}'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence I run,
 N. $0^{\circ}01'$ W., bet. secs. 13 and 14.
 Over level land, through dense brush.
 12.26 Cross road bears NE. and SW.
 22.08 Cross Arizona and California Railroad, bears N. 75° E. and S. 75° W.
 22.69 Cross under telegraph line.
 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 $\frac{1}{4}$ S 14 in W. and S 13 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 cor.
 45.19 John Clark's house bears N. $65^{\circ}20'$ E.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 11, 12, 13 and 14, marked on brass cap,
 T 7 N R 9 W in N. half,
 S 11 in NW.,
 S 12 in NE.,
 S 13 in SE., and
 S 14 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.
 From this corner John Clark's house bears S. $16^{\circ}05'$ E.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and cacti.

S. $89^{\circ}55'$ E. on a random line bet. secs. 12 and 13.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect E. boundary of township 12 lks. south of the corner of secs. 7, 12, 13 and 18.

Thence I run,
 West, on a trueline, bet. secs. 12 and 13.
 Over level land, through dense brush.
 39.95 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 12 in N. and S 13 in S. half; dig pits 18x18x12 ins., E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 79.90 The cor. of secs. 11, 12, 13 and 14.

Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and cacti.

N. $0^{\circ}01'$ W. bet. secs. 11 and 12.
 Over level land, through dense brush.
 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 11 in W., and S 12 in E. half; dig pits 18x18x12 ins.

Chains.

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 cor.
 62.45 Cross road, brs. NE. and SW.
 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,
 T 7 N R 9 W in N. half,
 S 2 in NW.,
 S 1 in NE.,
 S 12 in SE., and
 S 13 in SW. quadrant; dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood, catclaw and cacti.

East on a random line bet. secs. 1 and 12.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.96 Intersect E. boundary of township 5 lks. N. of the cor. of secs. 1, 6, 7 and 12.
 Thence I run,
 N. $89^{\circ}58'W.$, bet. secs. 1 and 12, on a true line.
 Over level land, through dense brush.
 39.98 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 $\frac{1}{4}$ S 1 in N., and S 12 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
 69.70 Cross road, bears NE. and SW.
 79.96 The cor. of secs 1, 2, 11 and 12.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood, catclaw and cacti.
 February 10: At this cor. I set off $14^{\circ}29\frac{1}{2}'S.$ on the decl. arc; and observe the sun on the meridian at noon; the resulting latitude is $33^{\circ}58'N.$

N. $0^{\circ}01'W.$ on a random line bet. secs. 1 and 2.
 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 80.04 Intersect N. boundary of township 10 lks. W. of the cor. of secs. 1, 2, 35 and 36.
 Thence I run,
 S. $0^{\circ}03'W.$ on a true line, bet. secs. 1 and 2.
 Over level land, through dense brush.
 40.04 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, $\frac{1}{4}$ S 2 in W., and S 1 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 cor.
 80.04 The cor. of secs. 1, 2, 11 and 12.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood, catclaw and cacti.

February 10, 1911.

Alfred N. Oliver
 U. S. Transitman.

Chains.

Survey commenced February 9, 1911, and executed with an A. Lietz Co. light mountain transit, No. 5631, 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.

The instrument was examined and approved by the Supervising Surveyor 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 solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At my camp, which is located at the $\frac{1}{4}$ sec. cor. bet. secs. 22 and 23, Tp. 7 N., Rg. 9 W.; latitude, $33^{\circ}56'04''$ N.; longitude, $113^{\circ}10'29''$ W.; I set off $33^{\circ}56'$ N. on the lat. arc; $14^{\circ}44\frac{1}{2}'$ S. on the decl. arc; and at 4h.00m.p.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 my station.

At 10h.08m.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.

February 9, 1911.

February 10: At 7h.00m.a.m., l.m.t., I lay off the azimuth of Polaris, $1^{\circ}24'$ to the east, and mark the meridian thus determined, by cutting a small groove in the stone set February 9, on which the meridian falls 0.2 ins. west of the mark determined by the solar.

At 8h.00m.a.m., l.m.t., I set off $33^{\circ}56'$ N. on the lat. arc; $14^{\circ}31\frac{1}{2}'$ 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 falls 0.2 ins. west of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively, about $0'11''$ east and west of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h.15m.a.m., is $N.14^{\circ}30'$ W.; the angle thus determined gives the magnetic declination $14^{\circ}30'$ E.

I begin at the corner of secs. 34 and 35 on the south boundary of the township,

Thence I run,
N. $0^{\circ}01'$ W., bet. secs. 34 and 35.

Over level land, through dense brush.

14.30 Cross road, bears E. and 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 $\frac{1}{4}$ S 34 on W. and S 35 on E. half; dig pits $18 \times 18 \times 12$ 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 cor.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the the ground for cor. of secs. 26, 27, 34 and 35, marked on brass cap,

T 7 N R 9 W in N. half,

S 27 in NW.,

S 26 in NE.,

S 35 in SE., and

6. Subdivision of Township 7 North, Range 9 West.

Chains.

S 34 in SW. quadrants; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land, level.
 Soil, 1st rate; rich sandy loam over 2 ft. deep; dry medium texture; some grass.
 No timber.
 Undergrowth, greasewood and catclaw.

East on a random line, bet. secs. 26 and 35.
 40.00 Set temp. ¼ sec. cor.
 80.04 Intersect N. and S. line 12 lks. N. of the cor. of secs. 25, 26, 35 and 36.
 Thence I run
 N. 89° 55' W. on a true line, bet. secs. 26 and 35.
 Over level land, through dense brush.
 40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 26 on N., and S 35 on S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
 45.30 Cross road brs. NW. and SE.
 80.04 The corner of secs. 26, 27, 34 and 35.
 Land, level.
 Soil, 1st rate; rich sandy loam, over 2 ft. deep; dry, medium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.

N. 0° 01' W., bet. secs. 26 and 27.
 Over level land, through dense brush.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 27 on W. and S 26 on E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 22, 23, 26 and 27, marked on brass cap,
 T 7 N R 9 W on N. half,
 S 22 in NW.,
 S 23 in NE.,
 S 26 in SE., and
 S 27 in SW. quadrants; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 Land level.
 Soil, 1st rate; rich sandy loam, over 2 ft. deep; dry, medium texture; some grass.
 No timber.
 Undergrowth, greasewood and catclaw.
 Feby. 10, 1911.

John P. Kease
 U. S. Transitman.

February 11: At 8h.00m. a.m., l.m.t., I set off 33° 55½' N. on the lat. arc; 14° 12' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.
 Thence I run,
 S. 89° 55' E. on a random line, bet. secs. 23 and 26.
 40.00 Set temp. ¼ sec. cor.
 80.14 Intersect N. and S. line 9 lks. N. of the cor. of secs. 23, 24,

Chains.

25 and 26.
 Thence I run,
 N.89°51'W. on a true line, bet. secs.23 and 26.
 Over level land, through dense brush.
 35.00
 40.07 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, $\frac{1}{4}$ S 23 in
 N. and S 26 in S.half; dig pits 18x18x12 ins.E.and W.
 of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high,N.of cor.
 57.83 Cross road bears NW.and SE.
 80.14 The cor.of secs .22,23,26 and 27.
 Land,level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and mesquite.
 Feby. 11,1911.

Alfred N. Bliss
 U. S. Transitman.

Feby.10, 1911.
 N.0°01'W., bet. secs . 22 and 23.
 Over level land, through 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 $\frac{1}{4}$ S 22 on
 W. and S 23 on 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 cor.
 63.00 Cross road, bears NE.and SW.
 74.75 Cross road, bears SE. and NW.
 78.37 Cross road bears E.and W.
 78.97 Cross road bears NW. and SE.
 80.00 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,
 T 7 N R 9 W in N.half,
 S 15 in NW.,
 S 14 in NE.,
 S 23 in SE., and
 S 22 in SW. quadrants; 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, 1st rate; rich sandy loam, mixed with adobe; dry,
 medium texture; good grass.
 No timber,
 Undergrowth, greasewood and mesquite.
 February 10: At this cor. I set off 14° 29 $\frac{1}{2}$ 'S.on the
 decl.arc; and observe the sun on the meridian at noon;
 the resulting lat.is 33°56 $\frac{1}{2}$ 'N.

John F. Hesse
 U. S. Transitman.

S.89° 51'E. on a random line, bet. secs.14 and 23.
 40.00 Set temporary $\frac{1}{4}$ sec.cor.
 80.28 Intersect N.and S. line 2 lks.N.of the cor.of secs.13,14,
 23 and 24.
 Thence I run,
 N.89°50'W. on a true line, bet. secs .14 and 23.
 Over level land, through dense brush.
 40.14 Set an iron post 3 ft. long, 1 in.diam., 26 ins. in the

8. Subdivision of Township 7 North, Range 9 West.

Chains.

ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 14 in N. and S 23 in S. half; dig pits 18x18x12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,N.of cor.
 From this corner the water tank at Aguila bears N.83°50' W., 29.90 chs. dist.
 F. Sperger's store bears N.88°W., 29.00 chs.dist.
 47.35 Over plowed land.
 67.30 Leave plowed land and through dense brush.
 71.89 Cross road brs. SW. and NE.
 78.30 Cross road bears SW. and NE.
 80.28 The cor.of secs.14,15,22 and 23.
 Land,level.
 Soil, sandy loam, dry,medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and mesquite.

N.0°01'W., bet. secs.14 and 15.
 Over level land, through dense brush.
 0.57 Cross Arizona and California Railroad, bears N.75°E.and S.75°W.
 1.20 Cross under telegraph line.
 1.95 Cross road bears E.and W.
 26.50 Cross road bears NE.and SW.
 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, $\frac{1}{4}$ S 15 in W. and S 14 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 cor.
 From this cor.G.Ruckstuhl's house bears N.44° 30'W.,and H. Woodward's house bears N.10°15'E.
 80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs. 10,11,14 and15, marked on brass cap,
 T 7 N R 9 W in N.half;
 S 10 in NW.,
 S 11 in NE.,
 S 14 in SE., and
 S 15 in SW. quadrants; 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.
 From this corner G. Ruckstuhl's house bears S.4°30'W.,and H. Woodward's house bears S.75°E.
 Land,level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.

S.89°50'E. on a random line, between secs.11 and 14.
 40.00 Set temporary $\frac{1}{4}$ sec.cor.
 80.26 Intersect N. and S. line 2 lks.S.of the cor.of secs.11, 12,13 and 14.
 Thence I run,
 N.89°51'W., on a true line, bet .secs.11 and 14.
 Over level land, through dense brush.
 40.13 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 $\frac{1}{4}$ S 11 in N. and S 14 in S.half; dig pits 18x18x12 ins.E. and W.of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
 43.00 Cross road, bears NE. and SW.
 74.80 Cross road, bears N. and S.
 80.26 The cor of secs.10,11,14 and 15.

Subdivision of Township 7 North, Range 9 West.

Chains.

Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood, catclaw and cactus.
 February 11: At this corner, I set off 14°10'S. on the decl. arc; and observe the sun on the meridian at noon; the resulting latitude is 33°57½'N.

N.0°01' W., bet. secs. 10 and 11.
 Over level land, through dense brush.
 32.80 Cross wash, 20 lks. wide, course SW.
 40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 10 in W. and S 11 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of corner.
 From this corner O.P. Pearson's house bears E. 5.00 chs.
 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,
 T 7 N R 9 W in N. half,
 S 3 in NW.,
 S 2 in NE.,
 S 11 in SE., and
 S 10 in SW. quadrants; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of corner.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

S.89°51'E., on a random line, bet. secs. 2 and 11.
 40.00 Set temp. ¼ sec. cor.
 80.02 Intersect N. and S. line 2 lks. S. of the corner of secs. 1, 2, 11 and 12.
 Thence I run,
 N.89°52'W., on a true line, bet. secs. 2 and 11.
 Over level land, through dense brush.
 40.01 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 2 in N., and S 11 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of corner.
 75.00 Cross road, bears N. and S.
 80.02 The corner of secs. 2, 3, 10 and 11.
 Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

N.0°01'W. on a random line, bet. secs. 2 and 3.
 40.00 Set temporary ¼ sec. cor.
 80.02 Intersect N. bdy. of township 5 lks. west of the corner of secs. 2, 3, 34 and 35.
 Thence I run,
 S.0°01'W., on a true line, between secs. 2 and 3.
 15.25 Cross road, bears NW. and SE.
 40.02 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 3 in

10. Subdivision of Township 7 North, Range 9 West.

Chains.

W. and S 2 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
80.02 The cor. of secs. 2, 3, 10 and 11.
Land, level.
Soil, sandy loam, dry, medium texture; 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

February 11, 1911.

Alfred N. Oliver
U. S. Transitman.

February 10:

N. 0° 02' W., bet. secs. 33 and 34.
Over level land, through dense brush.
24.90 Cross road, bears E, and W.
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 33 on W. and S 34 on E. half; dig pits 18x18x12 ins., N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
67.50 Cross wash, 6 lks. wide, course NE.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked on brass cap,
T 7 N R 9 W on N. half,
S 28 in NW.,
S 27 in NE.,
S 34 in SE., and
S 33 in SW. quadrants; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
Land, level.
Soil, 1st rate, rich sandy loam over 2 ft. deep; dry, medium texture; some grass.
No timber.
Undergrowth, greasewood, mesquite and cactus.

East on a random line, between secs. 27 and 34.
40.00 Set temporary ¼ sec. cor.
80.00 Intersect N. and S. line 7 lks. N. of the corner of secs. 26, 27, 34 and 35.
Thence I run,
N. 89° 57' W., on a true line, bet. secs. 27 and 34.
Over level land, through dense brush.
40.00 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S 27 on N., and S 34 on S. half; dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
80.00 The corner of secs. 27, 28, 33 and 34.
Land, level.
Soil, 1st rate; rich sandy loam, over 2 ft. deep, dry, medium texture; some grass.
No timber.
Undergrowth, greasewood, mesquite and palo verde.
February 10, 1911.

February 11: At 8h. 00m. a.m., 1.m.t., I set off 33° 55' N. on the lat. arc; 14° 12' S. on the decl. arc; and determine a meridian with the solar at the cor. of secs.

Chains

27, 28, 33 and 34.
 Thence I run,
 N.0°02'W., bet. secs.27 and 28.
 Over level land, through dense brush.
 38.90 P. Engler's house bears S.48°30'E., 5.30 chs.
 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 $\frac{1}{4}$ S 28 on W.
 and S 27 on 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 cor.
 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins.in the
 ground for cor.of secs.21,22, 27 and 28, marked on
 brass cap,
 T 7 N R 9 W in N.half;
 S 21 in NW.,
 S 22 in NE.
 S 27 in SE., and
 S 28 in SW. quadrants; 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, 1st rate, rich sandy loam, over 2 ft. deep; dry me-
 dium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.
 From this corner frame house bears N.48°40'E.
 A. Ehrler's house bears N.52°10'W., 12.00 chs.

S.89°57'E., on a random line, bet. secs.22 and 27.
 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 79.98 Intersect N.and S. line 2 lks.S.of the corner of secs.22,
 23,26 and 27.
 Thence I run,
 N.89°58'W. on true line, between secs.22 and 27.
 Over level land, through dense brush.
 3.50 Cross road, bears SW.and NE.
 39.99 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
 22 on N. and S 27 on S.half; dig pits 18x18x12 ins.
 E.and W.of post 3 ft. dist., and raise a mound of
 earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of corner.
 66.70 Cross road, bears NW. and SE.
 68.90 House bears N.1° 35'W.
 76.95 Cross wash, 10 lks.wide, course N.
 79.98 The corner of secs .21,22,27 and 28.
 Land, level.
 Soil, 1st rate; rich sandy loam over 2 ft. deep; dry, me-
 dium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.

N.0° 02' W., bet. secs. 21 and 22.
 Over level land, through dense brush.
 9.37 Cross road, brs. E.and W.
 26.57 Cross road, bears NE.and SW.
 31.26 Cross road, bears NE. and SW.
 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 $\frac{1}{4}$ S 21 on
 W. and S 22 on 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.
 56.20 Cross road, bears NE. and SW.
 59.47 Cross Arizona and California Railroad, bears N.75°E.,

12. Subdivision of Township 7 North, Range 9 West.

Chs.
 60.09 and S.75° W.
 80.00 Cross telegraph line, bears N.75°E. and S.75°W.
 Set an iron post 3 ft. long 2 ins. diam., 24 ins. in the ground for cor. of secs. 15, 16, 21 and 22, marked on brass cap,
 T 7 N R 9 W in N. half,
 S 16 in NW.,
 S 15 in NE.,
 S 22 in SE., and
 S 21 in SW. quadrants; dig pits 18x18x12 ins. in each sec. 5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.
 From this corner house bears S. 47°47'E., 215 lks.
 Land, level.
 Soil, 1st rate; rich sandy loam, mixed with adobe, over 2 ft. deep; dry, medium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.

40.00 S.89° 58' E. on a random line, between secs. 15 and 22.
 80.02 Set temporary ¼ sec. cor.
 Intersect N. and S. line 7 lks. S. of the corner of secs. 14, 15, 22 and 23.
 Thence I run,
 S.89°59'W. on a true line, bet. secs. 15 and 22.
 2.15 Over level land, through dense brush.
 Cross Arizona and California Railroad bears N.75°E. and S.75°W.
 4.58 Cross telegraph line, bears N.75°E. and S.75°W.
 7.23 Cross road bears NE. and SW.
 15.27 Cross road, bears N. and S.
 22.00 Levee bears NW. and SE.
 40.01 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 15 on N., and S 22 on S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
 80.02 The corner of secs. 15, 16, 21 and 22.
 Land, level.
 Soil, 1st rate, rich sandy loam, mixed with adobe; dry, medium texture; good grass.
 No timber.
 Undergrowth, greasewood and mesquite.
 February 11: At this cor. I set off 14°10' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 56½' N.
 February 11, 1911.

John P. Hesse
 U. S. Transitman.

February 15: At 8h.00m. a.m., l.m.t., I set off 33°56½' N. on the lat. arc; 12°52'S. on the decl. arc; and determine a meridian with the solar at the corner of secs. 15, 16, 21 and 22.
 Thence I run,
 N.0°02'W., between secs. 15 and 16.
 Over level land, through dense brush.
 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 16 in W., and S 15 in E. half; dig pits 18x18x12 ins. N. and S. of post 3 ft. dist., and raise a

Chains.

mound of earth 3½ ft. base, 1½ ft. high, W. of cor.
From this corner an abandoned house bears S.50½°E., 5.00
chs. dist.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the
ground for cor. of secs. 9, 10, 15 and 16, marked on brass
cap,

- T 7 N R 9 W in N. half;
- S 9 in NW.,
- S 10 in NE.,
- S 15 in SE., and
- S 16 in SW. quadrant;

dig pits 18x18x12 ins. in
each sec. 5½ ft. dist., and raise a mound of earth 4 ft.
base, 2 ft. high, W. of corner.

Land, level.

Soil, sandy loam, dry, medium texture; 1st rate.

No timber.

Undergrowth, greasewood and catclaw.

N.89° 59' E. on a random line, bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

80.04 Intersect N. and S. line at the corner of secs. 10, 11, 14 and
15.

Thence I run,

S.89°59'W., on a true line, bet. secs. 10 and 15.

Over level land, through dense brush.

40.02 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 10
in N., and S 15 in S. half; dig pits 18x18x12 ins. E.
and W. of post 3 ft. dist., and raise a mound of earth
3½ ft. base, 1½ ft. high, N. of corner.

80.04 The corner of secs. 9, 10, 15 and 16.

Land, level.

Soil, sandy loam, dry, medium texture, 1st rate.

No timber.

Undergrowth, greasewood and catclaw.

N.0°02' W., bet. secs. 9 and 10.

Over level land, through dense brush.

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
9 in W. and S 10 in E. half; dig pits 18x18x12 ins., N.
and S. of post 3 ft. dist., and raise a mound of earth
3½ ft. base, 1½ ft. high, W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in
the ground for cor. of secs. 3, 4, 9 and 10, marked on
brass cap,

- T 7 N R 9 W in N. half;
- S 4 in NW.,
- S 3 in NE.,
- S 10 in SE., and
- S 9 in SW. quadrants;

dig pits 18x18x12 ins. in each
sec. 5½ ft. dist., and raise a mound of earth 4 ft.
base, 2 ft. high, W. of cor.

Land, level.

Soil, sandy loam, dry, medium texture; 1st rate.

No timber.

Undergrowth, greasewood and catclaw.

Stormy weather prevented an observation for latitude.

N.89°59'E. on a random line, bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.12 Intersect N. and S. line 5 lks. N. of the corner of secs.

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Chains.

2,3,10 and 11.
 Thence I run,
 N.89°59'W., bet. secs. 3 and 10.
 Over level land, through dense brush.
 40.06 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
 3 in N. and S 10 in S.half; dig pits 18x18x12 ins.,
 E.and W.of post 3 ft. dist., and raise a mound of
 earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of corner.
 80.12 The corner of secs.3,4,9 and 10.
 Land,level.
 Soil, sandy loam, dry; medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

N.0°02' W., on a random line, between secs. 3 and 4.
 40.00 Set temporary $\frac{1}{4}$ sec.cor.
 79.80 Intersect N. bdy. of township 2 lks.W.of the corner of
 secs.3,4,33 and 34.
 Thence I run,
 S.0°01'E. on a true line, bet. secs.3 and 4.
 39.80 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 4
 in W. and S 3 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 cor.
 79.80 The cor.of secs.3,4,9 and 10.
 Land level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

February 15, 1911.

Alfred N. Oliver
 U. S. Transitman.

February 13: At 8h.00m.a.m., 1.m.t., I set off 33°54'N.
 on the lat.arc; 13°32 $\frac{1}{2}$ 'S. on the decl.arc; and de-
 termine a meridian with the solar at the corner of
 secs.4,5,32 and 33 on the S. bdy.of the township.
 Thence I run,
 N.0°02'W., bet. secs.32 and 33.
 Over level land, through dense brush.
 2.75 Cross wash, 4 lks.wide, course NE.
 35.51 Cross road bears E.and 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 $\frac{1}{4}$ S
 32 on W. and S 33 on 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.
 52.00 Cross wash,50 lks.wide, course NE.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins.
 in the ground for cor of secs.28,29,32 and 33, marked
 on brass cap,
 T 7 N R 9 W in N.half,
 S 29 in NW.,
 S 28 in NE.,
 S 33 in SE., and
 S 32 in SW. quadrants; 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, 1st rate, rich sandy loam over 2 ft. deep,dry,me-
 dium texture; some grass.
 No timber, Undergrowth, greasewood and mesquite.

Chains.

- East, on a random line, between secs.28 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.10 Intersect N.and S. line, 7 lks.S.of the cor.of secs. 27, 28,33 and 34.
Thence I run,
S.89°57'W., on a true line, bet. secs.28 and 33.
Over level land, through dense brush.
- 40.05 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 28 on N. and S 33 on S.half; dig pits 18x18x12 ins., E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of cor.
- 80.10 The corner of secs.28,29,32 and 33.
Land,level.
Soil, 1st rate, rich sandy loam, over 2 ft.deep, dry,medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.
-
- N.0°02' W., between secs.28 and 29.
Over level land, through 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 $\frac{1}{4}$ S 29 on W. and S 28 on 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.
- 80.00 Set an iron post 3 ft. long, 2 ins.diam., 24 ins. in the ground for cor.of secs.20,21,28 and 29, marked on brass cap,
T 7 N R 9 W in N. half;
S 20 in NW.,
S 21 in NE.,
S 28 in SE., and
S 29 in SW. quadrants; dig pits 18x18x12 ins.in each sec. $5\frac{1}{2}$ ft. distant, and raise a mound of earth 4 ft.base, 2 ft. high,W.of corner.
Land,level.
Soil, 1st rate, rich, sandy loam, over 2 ft. deep, dry, medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.
-
- N.89°57'E. on a random line, between secs.21 and 28.
- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
- 80.14 Intersect N. and S. line, 5 lks.S.of the corner of secs. 21,22,27 and 28.
Thence I run,
S.89°55'W., on a true line, bet. secs.21 and 28.
Over level land, through dense brush.
- 10.57 Over cultivated land.
- 18.25 Leave cultivated land.
- 40.07 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 21 on N., and S 28 on S.half; dig pits 18x18x12 ins., E.and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of corner.
- 80.14 The corner of secs.20,21,28 and 29.
Land,level.
Soil, 1st rate, rich sandy loam over 2 ft. deep,dry, medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.
I was unable to observe the sun at noon for latitude on account of clouds.

February 13, 1911.

16. Subdivision of Township 7 North, Range 9 West.
Chains.

February 15.
N.0°02' W., bet.secs.20 and 21.
Over level land, through dense brush.

8.35 Cross wash, 6 lks.wide, course NW.
31.19 Cross road, bears SE. and NW.
31.90 Cross road, bears E.and W.
35.60 Cross wash 30 lks.wide, course NW.
38.42 Cross Arizona and California Railroad, bears N.75°E. and S.75°W.
39.03 Cross telegraph line, bears N.75°E. and S.75 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 $\frac{1}{4}$ S 20 on W. and S 21 on E.half; dig pits 18x18x12 ins.N. and S.of post 3 ft. dist., and raise a mound of earth 4 ft.base, 1 $\frac{1}{2}$ ft. high,W.of corner.

45.88 Cross wash,12 lks.wide, course NE.
80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor.of secs.16,17,20 and 21, marked on brass cap,
T 7 N R 9 W in N.half,
S 17 in NW.,
S 16 in NE.,
S 21 in SE., and
S 20 in SW. quadrants; 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, 1st rate, rich sandy loam, mixed with adobe, over 2 ft. deep, dry, medium texture; some grass.
No timber. Undergrowth, greasewood and mesquite.

February 15, 1911.

John F. Hesse
U. S. Transitman.

February 16: At 8h.00m.a.m., l.m.t., I set off 33°56 $\frac{1}{2}$ ' N. on the lat.arc; 12°31 $\frac{1}{2}$ ' S.on the decl.arc; and determine a meridian with the solar at the corner of secs. 16,17,20 and 21.

Thence I run,
N.89°55'E. on a random line, between secs.16 and 21.

40.00 Set temporary $\frac{1}{4}$ sec.cor.
80.16 Intersect N. and S. line 2 lks.S.of the corner of secs. 15.16,21 and 22.

Thence I run,
S.89°54'W. on a random line, between secs.16 and 21.
Over level land, through dense brush.

40.08 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 16 in N., and S 21 in S.half; dig pits 18x18x12 ins. E.and W.of post, 3 ft. dist., and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,N.of corner.

80.16 The corner of secs. 16,17,20 and 21.
Land,level.
Soil, sandy loam; dry, medium texture, 1st rate.
No timber.
Undergrowth, greasewood and catclaw.
Stormy weather prevented an observation for latitude.

February 16, 1911.

February 17: At 8h.00m.a.m., l.m.t., I set off 33°56 $\frac{1}{2}$ ' N.on the latitude arc; 12°11'S. on the decl.arc; and determine a meridian with the solar at the corner of secs.16,17,20 and 21.

Chains.

Thence I run,
 N.0°02'W., between secs.16 and 17.
 Over level land, through dense brush.

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 17 in W. and S 16 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.

80.00 Set an iron post 3 ft. long, 2 ins. diam., 24 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked on brass cap,
 T 7 N R 9 W in N. half;
 S 8 in NW.,
 S 9 in NE.,
 S 16 in SE., and
 S 17 in SW. quadrants; 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, dry, medium texture, 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

N.89°54'E., on a random line, bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line 12 lks. N. of the corner of secs. 9, 10, 15 and 16.

Thence I run,
 S.89°59'W., on a true line, bet. secs. 9 and 16.
 Over level land, through dense brush.

21.25 Cross road, brs. NE. and SW.

39.99 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 9 in N. and S 16 in S. half; dig pits 18x18x12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

79.98 The corner of secs. 8, 9, 16 and 17.

Land, level.
 Soil, sandy loam, dry, medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

N.0°02' W., bet. secs. 8 and 9.

Over level land, through dense brush.

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 8 in W., and S 9 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.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked on brass cap,
 T 7 N R 9 W in N. half,
 S 5 in NW.,
 S 4 in NE.,
 S 9 in SE., and
 S 8 in SW. quadrants; 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, dry, medium texture, 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

N.89°59'E. on a random line, between secs. 4 and 9.

18. Subdivision of Township 7 North, Range 9 West.

Chains.

40.00 Set temporary $\frac{1}{4}$ sec.cor.
 79.94 Intersect N.and S. line 2 lks.S.of the corner of secs.3,
 4,9 and 10.
 Thence I run,
 S.89°58'W., on a true line, between secs.4 and 9.
 Over level land, through dense brush.
 39.97 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 $\frac{1}{4}$ S 4
 in N. and S 9 in S.half; dig pits 18x18x12 ins.E,
 and W.of post 3 ft. dist., and raise a mound of earth
 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high,N.of corner.
 79.94 The corner of secs.4,5,8 and 9.
 Land,level.
 Soil, sandy loam, dry medium texture; 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.
 February 17: At this corner, I set off 12°08 $\frac{1}{2}$ 'S.on the
 decl.arc; and observe the sun on the meridian at
 noon; the resulting latitude is 33°58'N.

N.0°02'W., on a random line bet. secs.4 and 5.
 40.00 Set temporary $\frac{1}{4}$ sec.cor.
 79.86 Intersect N. boundary of township at the corner of secs.
 4,5,32 and 33.
 Thence I run,
 S.0°02'E., on a true line, bet. secs.4 and 5.
 Over level land, through dense brush.
 39.86 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
 5 in W. and S 4 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.
 79.86 The corner of secs. 4,5,8 and 9.
 Land,level.
 Soil, sandy loam, dry, medium texture, 1st rate.
 No timber.
 Undergrowth, greasewood and catclaw.

Alfred N. Dyer
 U S. Transitman.

February 14: At 8h. 00m., 1.m.t., I set off 33°54'N.on
 the lat. arc; 13°12 $\frac{1}{2}$ 'S. on the decl.arc, and deter-
 mine a meridian with the solar at the corner of secs.
 5,6,31 and 32 on the S. boundary of the township.
 Thence I run,
 N.0°03'W., between secs.31 and 32.
 4.00 Road, NW.and SE.
 36.75 Over level land, through dense brush.
 36.75 Road, E. and 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 $\frac{1}{4}$ S
 31 on W. and S 32 on 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.
 80.00 Set an iron post 3 ft.long, 2 ins. in diam., 24 ins.
 in the ground for corner of secs.29,30,31 and 32,
 marked on brass cap,
 T 7 N R 9 W in N.half,
 S 30 in NW.,
 S 29 in NE.,
 S 32 in SE., and
 S 31 in SW. quadrants; 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.

Chains.

Land, level.
Soil, 1st rate; rich sandy loam over 2 ft. deep, dry,
medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.

40.00 East, on a random line, between secs.29 and 32.
Set temporary 1/4 sec.cor.
79.96 Intersect N. and S. line 2 lks .S.of corner of secs.28,29,
32 and 33.

Thence I run,
S.89°59'W., on a true line, between secs.29 and 32.
Over level land, through dense brush.
39.98 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 1/4 sec.cor., marked on brass cap 1/4 S
29 on N. and S 32 on S.half; dig pits 18x18x12 ins.
E.and W.of post 3 ft. dist., and raise a mound of
earth 3 1/2 ft. base, 1 1/2 ft. high,N.of corner.

79.96 The corner of secs.29,30,31 and 32.
Land,level.
Soil, 1st rate, rich sandy loam over 2 ft. deep, dry,me-
dium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.
Stormy weather prevented an observation of the sun at
noon for latitude.

February 14, 1911.

February 15: At 8h.00m.a.m., l.m.t., I set off 33°55'N.
on the lat.arc; 12°52'S. on the decl.arc; and deter-
mine a meridian with the solar at the corner of secs.
29,30, 31 and 32.

Thence I run,
West, on a random line, between secs.30 and 31.
40.00 Set temporary 1/4 sec.cor.
79.00 Intersect W.boundary of township 7 lks.N.of the corner
of secs, 25,30,31 and 36.

Thence I run,
N.89°57'E. on a true line, between secs.30 and 31.
Over level land, through dense brush.
15.70 Cross wash 20 lks.wide, course N.
17.35 Cross wash, 12 lks.wide, course N.
39.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 1/4 sec.cor., marked on brass cap 1/4 S
30 on N., and S 31 on S.half; dig pits 18x18x12 ins.
E.and W.of post 3 ft. dist., and raise a mound 3 1/2 ft.
base, 1 1/2 ft. high,N.of corner.

56.35 Cross wash,10 lks.wide, course N.
76.08 Cross wash, 12 lks.wide, course N.
77.52 Cross wash,10 lks.wide, course N.
79.00 The corner of secs.29,30, 31 and 32.
Land,level.
Soil, 1st rate, rich sandy loam, over 2 ft. deep, dry,
medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.

N.0°03' W., bet. secs. 29 and 30.
Over level land, through densebrush.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in
the ground for 1/4 sec.cor., marked on brass cap 1/4 S
30 on W. and S 29 on E.half; dig pits 18x18x12 ins.

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Chains.

N. and S. of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high W.of corner.
 80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for corner of secs.19,20, 29 and 30, marked on brass cap,
 T 7 N R 9 W in N.half,
 S 19 in NW.,
 S 20 in NE.,
 S 29 in SE., and
 S 30 in SW. quadrants; dig pits 18x18x12 ins.in each sec.5½ ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high,W.of corner.
 Land,level.
 Soil, 1st rate, rich sandy loam, over 2 ft. deep; dry, medium texture, some grass.
 No timber.
 Undergrowth, greasewood and mesquite.

N.89°59'E. on a random line, between secs.20 and 29.
 40.00 Set temporary ¼ sec.cor.
 79.86 Intersect N. and S. line 2 lks.N.of the corner of secs. 20,21,28 and 29.
 Thence I run,
 West, between secs.20 and 29.
 Over level land, through dense brush.
 39.93 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec.cor., marked on brass cap ¼ S 20 on N. and S 29 on S.half; dig pits 18x18x12 ins.E.and W.of post 3 ft. dist., and raise a mound of earth 3½ base, 1½ ft. high,N.of corner.
 79.86 The corner of secs.19,20,29 and 30.
 Land,level.
 Soil, 1st rate, rich sandy loam over 2 ft. deep,dry,medium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.

S.89° 57' W. on a random line, between secs.19 and 30.
 40.00 Set temporary ¼ sec.cor.
 78.96 Intersect W. boundary of township 2 lks.S.of the corner of secs.19,24,25 and 30.
 Thence I run,
 N.89°58'E., on a true line bet. secs.19 and 30.
 Over level land, through dense brush.
 8.15 Cross wash, 30 lks.wide, course N.
 11.30 Cross telegraph line, brs. N.75°E. and S.75°W.
 13.66 Cross Arizona and California Railroad bears N.75°E. and S.75°W.
 28.86 Cross road, bears NE. and SW.
 38.96 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 19 on N. and S 30 on S.half; dig pits 18x18x12 ins. E.and W.of post 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high,N.of corner.
 78.96 The corner of secs.19,20,29 and 30.
 Land,level.
 Soil, 1st rate, rich sandy loam, mixed with adobe,over 2 ft.deep,dry, medium texture; some grass.
 No timber.
 Undergrowth, greasewood and mesquite.
 February 15: Cloudy weather at noon prevented an observation of the sun for latitude.
 February 15,1911.

Chains.

February 16: At 8h.00m.a.m., l.m.t., I set off $33^{\circ}55\frac{1}{2}'N.$ on the lat.arc; $12^{\circ}31'S.$ on the decl.arc; and determine a meridian with the solar at the corner of secs. 19, 20, 29 and 30.

Thence I run, $N.0^{\circ}03'W.$, between secs.19 and 20. Over level land, through dense brush.

8.34 Cross wash, 10 lks.wide, course NW.
14.10 Cross road, brs. E.and W.
17.16 Cross Arizona and California Railroad, bears $N.75^{\circ}E.$ and $S.75^{\circ}W.$

17.77 Cross telegraph line, bears $N.75^{\circ}E.$ and $S.75^{\circ}W.$

40.00 Set an iron post 3ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 19 in W., and S 20 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.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for corner of secs.17,18,19 and 20, marked on brass cap,
T 7 N R 9 W in N.half,
S 18 in NW.,
S 17 in NE.,
S 20 inn SE., and
S 19 in SW. quadrants; 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, 1st rate, rich sandy loam, over 2 ft. deep, dry, medium texture; some grass.
No timber.
Undergrowth, greasewood and mesquite.

February 16, 1911.

John P. Hease
U. S. Transitman.

February 17:
East, on a random line, between secs.17 and 20.

40.00 Set temporary $\frac{1}{4}$ sec.cor.
79.74 Intersect N. and S. line 5 lks.N.of the corner of secs. 16,17,20 and 21.

Thence I run, $N.89^{\circ}58'W.$ on a true line, between secs.17 and 20. Over level land, through dense brush.

39.87 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 17 in N. and S 20 in S.half; dig pits 18x18x12 ins., E. and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of corner.

79.74 The corner of secs.17,18,19 and 20.
Land, level.
Soil, sandy loam, dry, medium texture, 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

$S.89^{\circ}58'W.$, on a random line, bet. secs.18 and 19.

40.00 Set temporary $\frac{1}{4}$ sec.cor.
78.90 Intersect N. and S. line 2 lks.N.of the corner of secs. 13,18,19 and 24.

Thence I run, $N.89^{\circ}57'E.$ on a true line, bet. secs.18 and 19.

26.60 Cross wash, 8 lks.wide, course NW.

22. Subdivisions of Township 7 North, Range 9 West.

Chains.

38.90 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 18 in N. and S 19 in S.half; dig pits 18x18x12 ins., E. and W.of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft. high,N.of corner.

78.90 The corner of secs. 17,18,19 and 20.
Land, level.
Soil, sandy loam, dry, medium texture, 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

February 17,1911.

February 18: At 8h.00m.a.m., 1.m.t., I set off $33^{\circ}56\frac{1}{2}'$ N. on the latitude arc; $11^{\circ}50'S$.on the decl.arc, and determine a meridian with the solar at the corner of secs.17,18,19 and 20.

Thence I run,
N. $0^{\circ}03'W.$, bet. secs.17 and 18.
Over level land, through dense brush.

34.20 Road, bears E,and 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 $\frac{1}{4}$ S 18 in W. and S 17 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.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor.of secs.7,8, 17 and 18, marked on brass cap,
T 7 N R 9 W in N.half;
S 7 in NW.,
S 8 in NE.,
S 17 in SE., and
S 18 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, dry, medium texture; 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

S. $89^{\circ}58'E.$, on a random line, between secs.8 and 17.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.90 Intersect N. and S. line 2 lks.N.of the corner of secs. 8,9,16 and 17.
Thence I run,
N. $89^{\circ}57'W.$, on a true line, bet. secs.8 and 17.
Over level land, through dense brush.

39.95 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 8 in N. and S 17 in S.half; dig pits 18x18x12 ins. E.and W. of post 3 ft. dist.,and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of corner.

79.90 The corner of secs.7,8,17 and 18.
Land,level.
Soil, sandy loam, dry, medium texture; 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

S. $89^{\circ}57'W.$ on a random line, bet. secs.7 and 18.

40.00 Set temporary $\frac{1}{4}$ sec.cor.

78.94 Intersect W.bdy.of township 16 lks.N.of the corner of secs.7,12,13 and 18.
Thence I run,

Chains.

- N.89°50'E., on a true line, between secs. 7 and 18.
Over level land, through dense brush.
- 38.94 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 7 in N. and S 18 in S.half; dig pits 18x18x12 ins.E. and W.of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of corner.
- 78.94 The corner of secs. 7,8,17 and 18.
Land,level.
Soil, sandy loam, dry, medium texture; 1st rate; no timber.
Undergrowth, greasewood and catclaw.
-
- N.0°03'W., between secs.7 and 8.
Over level land, through dense brush.
- 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 7 in W. and S 8 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.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for corner of secs.5,6,7 and 8, marked on brass cap,
T 7 N R 9 W in N.half,
S 6 in NW,
S 5 in NE.,
S 8 in SE., and
S 7 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, dry, medium texture, 1st rate.
No timber.
Undergrowth, greasewood and catclaw.
February 18: At this corner I set off $11^{\circ}47\frac{1}{2}'$ S.on the decl.arc; and observe the sun on the meridian at noon; the resulting latitude is $33^{\circ}58'$ N.
-
- S.89°57'E., on a random line, between secs.5 and 8.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.92 Intersect N. and S. line 5 lks.S.of the corner of secs. 4,5,8 and 9.
Thence I run,
N.89°59'W., on a true line, bet. secs.5 and 8.
Over level land, through dense brush.
- 39.96 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 5 in N. and S 8 in S.half; dig pits 18x18x12 ins.E. and W.of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high,N.of post.
- 79.92 The corner of secs.5,6,7 and 8.
Land,level.
Soil, sandy loam, dry, medium texture; 1st rate.
No timber.
Undergrowth, greasewood and catclaw.
-
- S.89°50'W., on a random line, between secs.6 and 7.
- 40.00 Set temporary $\frac{1}{4}$ sec.cor.
- 78.86 Intersect W. boundary of township 2 lks.N.of the corner of secs.1,6,7 and 12.
Thence I run,
N.89°49'E., on a true line, bet. secs.6 and 7.
Over level land, through dense brush.
- 38.86 Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in

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24. Subdivision of Township 7 North, Range 9 West.

Chains.

the ground for $\frac{1}{4}$ sec.cor., marked on brass cap $\frac{1}{4}$ S 6 in N. and S 7 in S.half; dig pits 18x18x12 ins.E. and W,of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, N.of corner.

78.86 The corner of secs .5, 6, 7 and 8.

Land, level.
Soil, sandy loam, dry, medium texture, 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

N.0° 03' W., on a random line, between secs.5 and 6.

40.00 Set temporary $\frac{1}{4}$ sec.cor.

79.96 Intersect North boundary of township 5 lks.W.of the cor. of secs .5,6,31 and 32.

Thence I run,
S.0°01'E., on a true line, bet. secs.5 and 6.
Over level land, through dense brush.

39.96 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 6 in W. and S 5 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.

79.96 The corner of secs. 5, 6, 7 and 8.

Land, level.
Soil, sandy loam, dry, medium texture; 1st rate.
No timber.
Undergrowth, greasewood and catclaw.

GENERAL DESCRIPTION.

This township is all level, and the soil is a rich sandy loam, which, with irrigation, will produce abundant crops. There is no timber or water in the township. Aguila, a station on the Arizona and California Railroad is located in Sec. 14..

Alford N. Oliver
U. S. Transitman.

LIST OF NAMES.

A list of the names of the individuals employed by Alfred N. Oliver
^{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
subdivision lines of Twp. 7 N. Rg. 9 W.
 showing the respective capacities in which they acted:

- R. A. Coombs _____, Chainman.
- W. W. Panner _____, Chainman.
- L. P. Bates _____, Moundman.
- _____ Moundman.
- C. S. Crowen _____, Axman.
- _____ Axman.
- P. Shimpfessel _____, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfred N. Oliver
^{Transitman}
 _____, United States ~~Deputy~~ Surveyor, in surveying all
 those parts or portions of the the subdivision lines of Twp. 7 N. Rg. 9 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

- R. A. Coombs _____, Chainman.
- W. W. Panner _____, Chainman.
- L. P. Bates _____, Moundman.
- _____ Moundman.
- C. S. Crowen _____, Axman.
- _____ Axman.
- P. Shimpfessel _____, Flagman.

Subscribed and sworn to before me this 18th
 day of February, 1911

Alfred N. Oliver
U.S. Transitman



20/70
OK

2259

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

I, Alfred N. Oliver ^{Transitman} United States ~~Deputy~~ Surveyor, do solemnly swear that, in pursuance of ^{instructions} ~~a contract~~ received from Frank D. Ingalls 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 subdivision lines of Sp. 7 N. Rg. 9 W.

of the Gila and 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.

Alfred N. Oliver
United States ~~Deputy~~ Surveyor
Transitman

Subscribed by said Alfred N. Oliver, and sworn to before me }
this 2nd day of January, 1912

Frank D. Ingalls
United States Surveyor General



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

....., 19

The foregoing field notes of the survey of

executed by
under his contract No., dated, 19 .., 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.

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

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LIST OF NAMES.

BOOK 2259

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 subdivision lines of Tp. 2 N. Rg. 9 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. E. 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 subdivision lines of Tp. 2 N. Rg. 9 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. E. Flanagan, Flagman.

Subscribed and sworn to before me this 1st day of March, 1911

John P. Hesse
U. S. Transitman



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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 2259

I, John P. Hesse, ^{Transitionan} United States Deputy Surveyor, do solemnly swear that, in pursuance of ^{instructions} a contract received from Frank S. Ingalls 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 subdivision lines of T. 7 N. R. 9 W.

of the Gila and 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.

John P. Hesse
United States Deputy Surveyor.
^{Transitionan}

Subscribed by said John P. Hesse, and sworn to before me }
this 7th day of January, 1912



Frank S. Ingalls
U.S. Surveyor General

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. July 4, 1912

The foregoing field notes of the survey of the subdivision lines of T. 7 N. R. 9 W. Gila and Salt River Meridian

executed by John P. Hesse and Alfred H. Oliver ^{Transitionan} under ^{contract} contract No. 4, 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.