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BOOK "H"

MAY 17, 1914

BOOK 2658

FIELD NOTES

RE
OF THE SURVEY OF THE

South and East Boundaries of Tp. 21 S. Rg. 27 E.

Of the Gila and Salt River Base and Meridian,

In the State of Arizona

EXECUTED BY

John F. Hesse

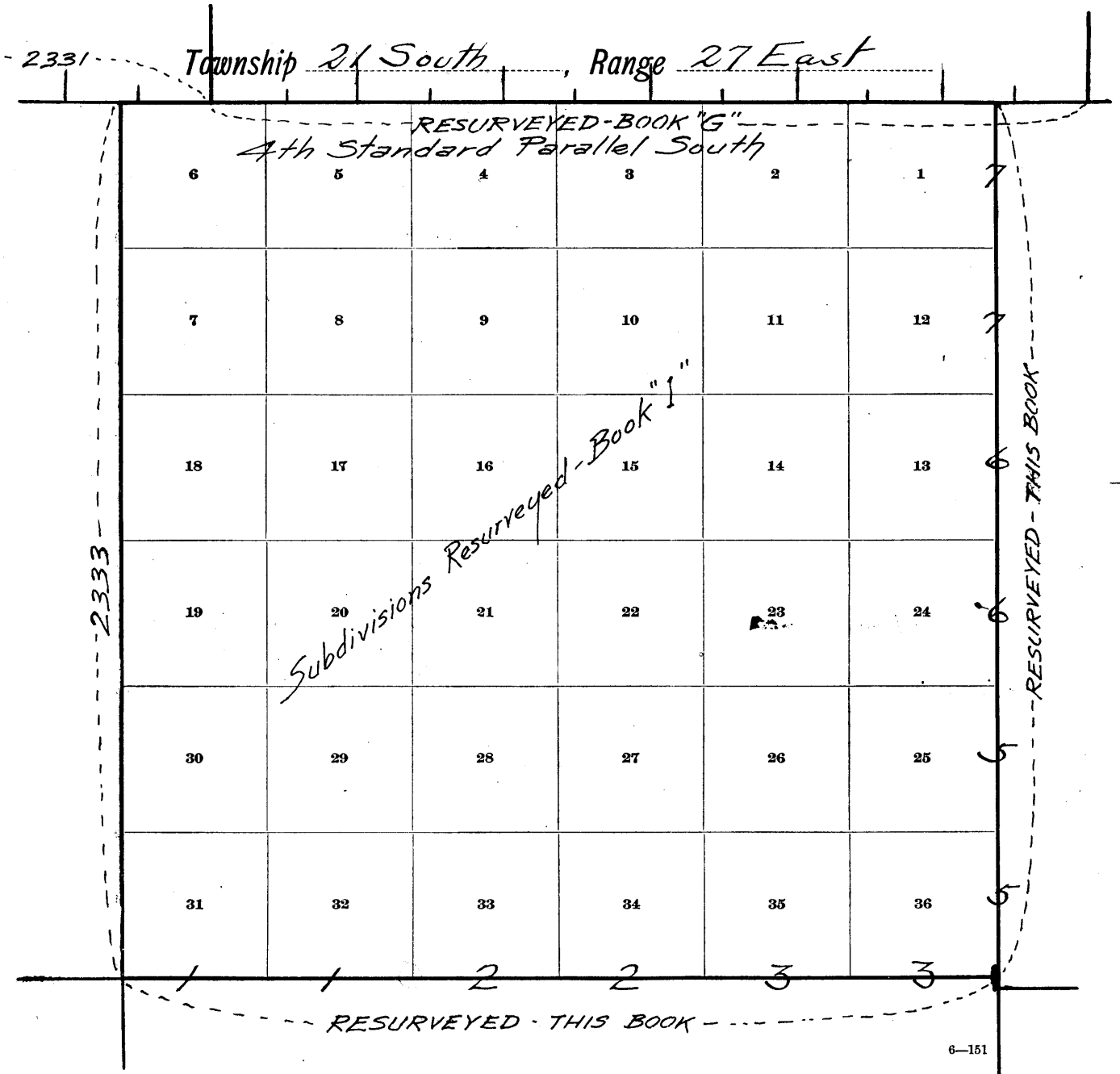
In the capacity of U. S. Surveyor, under instructions dated May 22nd, 1912,
issued by the United States Surveyor General to govern surveys included in
Group No. 18, which were approved by the Commissioner of the General Land
Office, June 20th, 1912, pursuant to authority contained in the Act of
Congress dated August 23rd, 1912.

Re-Survey commenced March 15, 1913.

Re-Survey completed March 16, 1913.

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INDEX DIAGRAM.



Resurvey of South boundary of Tp. 21 S. Rg. 27 E.

Chains.

- March 15¹⁹¹³ At 7h. 30m. a.m., l.m.t., I set off $31^{\circ} 33\frac{1}{2}'$ N. on the lat. arc; $2^{\circ} 11'$ S. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 21 and 22 S. Rgs. 26 and 27 E. which is an iron post, with brass cap firmly set in the ground, marked and witnessed as described by the surveyor general.
- Thence I run, on random line
East, bet. secs. 6 and 31,
Over level land, along road.
- 39.51 Fall 25 lks. S. of $\frac{1}{4}$ sec. cor. a stake 4 ins. above ground firmly set, marked $\frac{1}{4}$ on N. face, I destroy the old cor. and re-establish it in the same place as follows:
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 $\frac{1}{4}$ S31 in N. and S6 1913 in S. half; dig pits 18 x 18 x 12 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.
True course & dist. of this $\frac{1}{2}$ mile is therefore N. $89^{\circ} 39'$ E., 39.51 chs.
Thence I run, from $\frac{1}{4}$ sec. cor.
East, on random line, bet. secs. 6 & 31, on E. $\frac{1}{2}$ mile.
- 40.16 Fall 10 lks. S. of $\frac{1}{4}$ sec. cor. of secs. 5, 6, 31 and 32, which is a porphyry stone, firmly set, and marked as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor. and re-establish it in the same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked on brass cap
T21S in N.
T22S 1913 in S. and
R27E in W. half;
S31 in N. W.
S32 in N. E.
S5 in S. E. and
S6 in S. W. quadrant; dig pits 18 x 18 x 12 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.
True course & dist. of this $\frac{1}{2}$ mile is therefore N. $89^{\circ} 51'$ E., 40.16 chs.
- East, bet. secs. 5 and 32, on random line,
Over level land, along road.
- 40.24 Fall 7 lks. S. of $\frac{1}{4}$ sec. cor. which is a stone, firmly set, marked as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor., and re-establish it in the same place as follows:
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 $\frac{1}{4}$ S32 in N. and S5 1913 in S. half; dig pits 18 x 18 x 12 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.
True course & dist. of this $\frac{1}{2}$ mile is therefore N. $89^{\circ} 54'$ E., 40.24 chs.
Thence I run, from $\frac{1}{4}$ sec. cor.
- 40.27 East, on random line, bet. secs. 5 & 32, on E. $\frac{1}{2}$ mile
Fall 6 lks. S. of the $\frac{1}{4}$ sec. cor. of secs. 4, 5, 32 and 33, which is a stone, firmly set, marked as described by the surveyor general, I destroy this $\frac{1}{4}$ sec. cor. and re-establish it in the same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 4, 5, 32 and 33, marked on brass cap
T21S in N.
T22S 1913 in S. and
R27E in W. half;
S32 in N. W.
S33 in N. E.
S4 in S. E. and
S5 in S. W. quadrant; dig pits 18 x 18 x 12 ins. in

Resurvey of South boundary of Tp. 21 S. Rg. 27 E.

Chains.

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.

True course & dist. of this $\frac{1}{2}$ mile is therefore N. $89^{\circ} 55'$ E., 40.27 chs.

East, bet. secs. 4 and 33, on random line

Over level land, along road.

40.29 Fall 13 lks. S. of the ^{OLD} $\frac{1}{4}$ sec. cor., which is a mesquite post, firmly set, marked $\frac{1}{4}$ on N. face. I destroy this old cor. and re-establish it in the same place as follows:

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 $\frac{1}{4}$ S33 in N. and S4 1913 in S. half; dig pits 18 x 18 x 12 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.

True course & dist. of this $\frac{1}{2}$ mile is therefore N. $89^{\circ} 49'$ E., 40.29 chs.

Thence I run, from $\frac{1}{4}$ sec. cor.,

East, on random line, bet. secs. 4 & 33, on E. $\frac{1}{2}$ mile

5.30 Road turns off N. E.

40.17 Fall on ^{OLD} cor. of secs. 3, 4, 33 and 34, which is a mesquite post, firmly set, marked as described by the surveyor general. I destroy this ^{OLD} cor. and re-establish it in the same place as follows:

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 3, 4, 33 and 34, marked on brass cap

T21S in N.

T22S 1913 in S. and

R27E in W. half;

S33 in N. W.

S34 in N. E.

S3 in S. E. and

S4 in S. W. quadrant; dig pits 18 x 18 x 12 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. True course & dist. of this $\frac{1}{2}$ mile

is therefore East, 40.17 chs.

Land, level.

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

No timber.

East, bet. secs. 3 and 34, on random line

Over level land, along road.

40.00 Make diligent search but am unable to find any trace of the ^{OLD} $\frac{1}{4}$ sec. cor..

80.42 Fall 26 lks. N. of ^{OLD} cor. of secs. 2, 3, 34 and 35, which is a stone, firmly set, marked as described by the surveyor general. True course & dist. of this mile is therefore S. $89^{\circ} 49'$ E., 80.42 chs.

NOTE: At this cor. I set off $2^{\circ} 07\frac{1}{2}'$ S. on the decl. arc and observe the sun on the meridian at noon, March 15, the resulting lat. is $31^{\circ} 33\frac{1}{2}'$ N.

I return to the ^{REESTAB.} cor. of secs. 3, 4, 33 and 34,

Thence I run,

S. $89^{\circ} 49'$ E., bet. secs. 3 and 34, on true line,

Over level land, along in road.

28.70 Road bears off to S. E.

40.21 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB.} $\frac{1}{4}$ sec. cor., marked on brass cap $\frac{1}{4}$ S34 in N. and S3 1913 in S. half; dig pits 18 x 18 x 12 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.

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

80.42 The ^{OLD} cor. of secs. 2, 3, 34 and 35, previously described, I destroy this ^{OLD} cor. and re-establish it in the same place as follows:

Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the

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Resurvey of . South boundary of Tp. 21 S. Rg. 27 E.

chains.	
	ground for cor. of secs. 2, 3, 34 and 35, marked on brass cap T21S in N. T22S 1913 in S. and R27E in W. half; S34 in N. W. S35 in N. E. S2 in S. E. and S3 in S. W. quadrant; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, level. Soil, sandy loam, dry, medium texture; 1st. rate. No timber.
	East, bet. secs. 2 and 35, on random line, Over level land.
12.50	Enter dense brush.
25.00	Ascend rocky ridge.
38.00	Top of ridge bears N. E. and S. W. leave brush, descend.
40.14	Fall 20 lks. S. of ^{old} ¼ sec. cor. which is a stone, firmly set, marked and witnessed as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows: Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S35 in N. and S2 1913 in S. half; and raise a mound of stone 2 ft. base 1½ ft. high, N. of cor. Pits impracticable. True course & dist. of this ½ mile is therefore N. 89° 43' E., 40.14 chs. Thence I run, from ¼ sec. cor.
14.80	East, on random line, bet. secs. 2 & 35 on E. ½ mile, Cross wash 18 lks. wide course S. W. and over level land.
21.20	Enter dense brush.
22.90	Cross road bears N. E. and S. W.
36.50	Cross road bears N. W. and S. E.
40.20	Fall 37 lks. N. of ^{old} cor. of secs. 1, 2, 35 and 36, which is a stone, firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows: 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 T21S in N. T22S 1913 in S. and R27E in W. half; S35 in N. W. S36 in N. E. S1 in S. E. and S2 in S. W. quadrant; and raise a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable. Land, level and mountainous. Soil, sandy loam, dry, medium texture; 1st. rate; except on ridge which is rocky and worthless. No timber. Undergrowth, mesquite and greasewood. True course & dist. of this ½ mile is therefore S. 88° 46' E. 40.21 chs.
	East, bet. secs. 1 and 36, on random line, Over rolling land, through dense brush.
5.00	Cross road bears N. E. and S. W.
40.35	Fall 6 lks. N. of ^{old} ¼ sec. cor. which is a stone, firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows; Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ¼ sec. cor., marked on brass cap ¼ S36 in N. and S1 1913 in S. half; dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist., and raise a mound of earth 3½ ft. base 1½ ft. high, N. of cor. Pits impracticable. True course & dist. of this ½ mile is therefore S. 89° 55' E., 40.35 chs.

Resurvey of South boundary of Tp. 21 S. Rg. 27 E.

Chains.

30.75
40.39

Thence I run, from $\frac{1}{4}$ sec. cor.
 East, on ranion line, bet. secs. 1 & 36, on E. $\frac{1}{2}$ mile,
 Cross road bears N. W. and S. E.
 Fall on ^{old} cor. of Tps. 21 and 22 S., Rgs. 27 E. & 28 E.
 which is a stone marked and witnessed as described by the
 surveyor general. I destroy this ^{old} cor. and re-establish it
 in the same place as follows:
 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the
 ground for cor. of Tps. 21 and 22 S. Rgs. 27 East, $\frac{1}{4}$ mi.,
 marked on brass cap
 R28E T21S S31 S6 T22S in E.
 1913 in S. and
 R27E in W. half;
 T21S S36 in N. W. and
 T22S S1 in S. W. quadrant; dig pits 30 x 24 x 12 ins.
 on each line N. and S. 4 ft. and W. of post 8 ft. dist.
 and raise a mound of earth 5 ft. base 2 $\frac{1}{2}$ ft. high, W. of
 cor.
 The course & dist. of this $\frac{1}{2}$ mile is therefore East, 40.39 chs.
 Land, rolling.
 Soil, sandy loam, mixed with rocks and gravel; 2nd. rate.
 No timber.
 Undergrowth, greasewood, chaparral and blackbrush.

March 15; 1913.

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Resurvey of East boundary of Tp. 21 S. Rg. 27 E.

- Chains.
- March 16¹⁹¹³ At 7h. 30m. a.m., l.m.t., I set off $31^{\circ} 33\frac{1}{2}'$ N. on the lat. arc; $1^{\circ} 47'$ S. on the decl. arc; and determine a meridian with the solar at the ^{REESTAB.} cor. of Tps. 21 and 22 S. Rg. 27 E., ~~hereinbefore~~ described.
- Thence I run, on random line
North, on E. bdy. of sec. 36.
Over rolling land, through dense brush.
- 40.21 Fall 19 lks. W. of ^{old} $\frac{1}{4}$ sec. cor. which is a mesquite post firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
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 $\frac{1}{4}$ S36 in W. and 1913 in S. half; dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base 2 ft. high, W. of cor.
~~The course & dist. of this $\frac{1}{2}$ mile is therefore~~ N. $0^{\circ} 16'$ E., 40.21 chs.
Thence I run, from $\frac{1}{4}$ sec. cor. I run
North, on random line, on E. bdy. of sec. 36, on N. $\frac{1}{2}$ mile
- 26.65 Cross road bears N. E. and S. W.
- 40.57 Fall 3 lks. W. of ^{old} cor. of secs. 25, 30, 31 and 36, which is a stone, firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 25 and 36 ^{121S, R27E} marked on brass cap
T21S in N.
1913 in S. and
S30 S31 R28E in E. half;
S25 in N. W. and
S36 R27E in S. W. quadrant; dig pits 24 x 24 x 12 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.
~~The course & dist. of this $\frac{1}{2}$ mile is therefore~~ N. $0^{\circ} 02'$ E., 40.57 chs.
Land, rolling.
Soil, sandy mixed with gravel and rocks; 2nd. rate.
No timber.
Undergrowth, chaparral, greasewood.
- North, on E. bdy. of sec. 25, on random line
Over rolling land, through dense brush.
- 40.37 Fall 7 lks. E. of ^{old} $\frac{1}{4}$ sec. cor. which is a stone, firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
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 $\frac{1}{4}$ S25 in W. and 1913 in S. half; dig pits 18 x 18 x 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.
~~The course & dist. of this $\frac{1}{2}$ mile is therefore~~ N. $0^{\circ} 06'$ W., 40.37 chs.
Thence from $\frac{1}{4}$ sec. cor., I run
- 40.39 North, on random line, on E. bdy. of sec. 25, on N. $\frac{1}{2}$ mile
Fall 79 lks. W. of ^{old} cor. of secs. 19, 24, 25 and 30, which is a stone, firmly set, marked as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 24 and 25 ^{121S, R27E} marked on brass cap
T21S in N.
S19 S30 R28E in E. and
1913 in S. half;
S24 in N. W. and
S25 R27E in S. W. quadrant; dig pits 24 x 24 x 12 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.
~~The course & dist. of this $\frac{1}{2}$ mile is therefore~~ N. $1^{\circ} 07'$ E., 40.40 chs.
Land, rolling.
Soil, sandy, mixed with rocks and gravel; 2nd. rate.
No timber.

Resurvey of East boundary of Tp. 21 S. Rg. 27 E.

chains.	Undergrowth, chaparral and greasewood.
	North, on E. bdy. of sec. 24, on random line, Over rolling land, through dense brush.
40.00	Cross road bears N. E. and S. W.
40.35	Fall 36 lks. E. of $\frac{1}{4}$ sec. cor., which is a stone firmly set, marked as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor. and re-establish it in the same place as follows: 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 $\frac{1}{4}$ S24 in W. and 1913 in S. half; dig pits 18 x 18 x 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. True course & dist. of this $\frac{1}{2}$ mile is therefore N. 0° 31' W., 40.35 chs. Thence I run, from $\frac{1}{4}$ sec. cor. I run
35.70	North, on E. bdy. of sec. 24, on random line, on N. $\frac{1}{2}$ mile Cross road bears N. W. and S. E.
39.00	Point of rocky ridge bears E. and W.
40.41	Fall 28 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 13, 18, 19 and 24 which is a stone, firmly set, marked and witnessed as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor. and re-establish it in the same place as follows: Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 13 and 24, marked on brass cap T21S in N. S18 S19 R28E in E. and 1913 in S. half; S13 in N. W. and S24 R27E in S. W. quadrant; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. True course & dist. of this $\frac{1}{2}$ mile is therefore N. 0° 24' E., 40.41 chs. Land, rolling. Soil, sandy, mixed with gravel and rocks; 2nd. rate. No timber. Undergrowth, greasewood, mesquite and chaparral.
NOTE	At this cor. I set off 1°, 44' S. on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is 31° 36' N.
	North, on E. bdy. of sec. 13, on random line Descend.
1.20	Cross road bears N. E. and S. W.
3.75	Cross wash 30 lks. wide course S. W., ascend.
9.00	Point of ridge bears E. and W. descend
14.00	Cross road bears E. and W.
18.00	Cross wash 15 lks. wide course S. E. and over rolling land.
25.10	Cross road bears N. W. and S. E.
40.36	Fall 4 lks. W. of $\frac{1}{4}$ sec. cor. which is a stone, marked and witnessed as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor. and re-establish it in the same place as follows: 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 $\frac{1}{4}$ S13 in W. and 1913 in S. half; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. True course & dist. of this $\frac{1}{2}$ mile is therefore N. 0° 03' E., 40.36 chs. Thence I run, from $\frac{1}{4}$ sec. cor. I run
	North, on random line, on E. bdy. of sec. 13, on N. $\frac{1}{2}$ mile
8.45	Cross road bears N. E. and S. W.
14.10	Cross wash 5 lks. wide course S. W.
40.00	Ascend.
40.39	Fall 26 lks. W. of the $\frac{1}{4}$ sec. cor. of secs. 7, 12, 13, and 18, which is a stone firmly set, marked and witnessed as described by the surveyor general. I destroy this $\frac{1}{4}$ sec. cor.

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Resurvey of East boundary of Tp. 21 S. Rg. 27 E.

Chains.

and re-establish it in the same place as follows:
 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 12 and 13^{T21S R27E} marked on brass cap T21S in N.
 S7 S18 R28E in E. and 1913 in S. half;
 S12 in N. W. and S13 R27E in S. W. quadrant; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
~~True course & dist. of this 1/2 mile is therefore~~ N. 0° 22' E., 40.39 chs.
 Land, mountainous and rolling.
 Soil, rocky; 4th. rate.
 No timber.

North, on E. bdy. of sec. 12, on random line, Ascend S. W. slope.
 3.25 Ridge bears N. W. and S. E. descend.
 25.35 Cross road bears N. W. and S. E.
 40.39 Fall 8 lks. W. of ^{old} 1/4 sec. cor., which is a stone, firmly set, marked and witnessed as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S12 in W. and 1913 in S. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
~~True course & dist. of this 1/2 mile is therefore~~ N. 0° 07' E., 40.39 chs.
 Thence I run, from 1/4 sec. cor.,

North, on random line, on E. bdy. of sec. 12, on N. 1/2 mile
 12.20 Cross wash 8 lks. wide course S. W.
 17.60 Cross wash 10 lks. wide course S. W. ascend.
 40.50 Fall 41 lks. W. of ^{old} cor. of secs. 1, 6, 7 and 12, which is a stone, firmly set, marked and witnessed as described by the surveyor general. I destroy this ^{old} cor. and re-establish it in the same place as follows:
 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for cor. of secs. 1 and 12^{T21S R27E} marked on brass cap T21S in N.
 S6 S7 R28E in E. and 1913 in S. half;
 S1 in N. W. and S12 R27E in S. W. quadrant; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
~~True course & dist. of this 1/2 mile is therefore~~ N. 0° 35' E., 40.50 chs.
 Land, rolling and mountainous.
 Soil, rocky; 4th. rate.
 No timber.

North, on E. bdy. of sec. 1, on random line
 40.00 Make careful search but am unable to find any trace of the ^{old} 1/4 sec. cor.
 72.90 Fall 49 lks. W. of the ^{old} closing cor. of Tps. 21 S. Rgs. 27 and 28 E. which is a stone firmly set, marked and witnessed as described by the surveyor general. True course & dist. of E. bdy. of sec. 1, T21S R27E is therefore N. 0° 23' E., 72.90 chs. R27E.
 I return to the reestab. cor. of secs. 1 & 12, T21S R27E and run, N. 0° 23' E., on E. bdy. of sec. 1, on true line, Ascend.
 4.20 Cross wash 8 lks. wide course S. W.
 6.10 Cross wash 10 lks. wide course S. W.
 13.90 Ridge bears S. W. and N. E.
 21.10 Ridge bears E. and W. descend.
 38.47 Set an iron post 3 ft. long, 1 in. diam., 26 ins. in the ground for ^{REESTAB} 1/4 sec. cor., marked on brass cap 1/4 S1 in W. and 1913 in S. half; and raise a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.

Resurvey of East boundary of Tp. 21 S. Rg. 27 E.

Chains.
 40.80 Cross wash 50 lks. wide course S. W.
 51.65 Cross road bears N. E. and S. W.
 70.95 Cross wash 20 lks. wide course S. W.
 72.90 The ^{old} closing cor. of Tps. 21 S., Rgs. 27 and 28 E. previously described. I destroy this ^{old} cor. and re-establish it in the same place as follows:
 Set an iron post 3 ft. long, 3 ins. diam., 24 ins. in the ground for closing cor. of Tps. 21 S. Rgs. 27 and 28 E. marked on brass cap
 CC.S. of center;
 T20S R27E S36 R28E S31 in N. and
 T21S 1913 in S. half;
 S6 R28E in S. E. and
 S1 R27E in S. W. quadrant; and raise a mound of stone 2 ft. base 1 1/2 ft. high, S. of cor. Pits impracticable.
 Land, hilly.
 Soil, rocky; 4th. rate.
 No timber.

March 16, 1913.

BOUNDARIES OF TOWNSHIP NO 21 SOUTH, RANGE NO 27 EAST

Latitudes Departures and Closing Errors.

Line Designated	True Bearing	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
South boundary	N. 89°39'E.	39.51	.25		39.51	
	N. 89°51'E.	40.16	.10		40.16	
	N. 89°54'E.	40.25	.07		40.24	
	N. 89°55'E.	40.27	.06		40.27	
	N. 89°49'E.	40.29	.13		40.29	
	East	80.56			80.56	
	S. 89°49'E.	80.42		.26	80.42	
	N. 89°43'E.	40.14	.20		40.14	
	S. 88°46'E.	40.21		.87	40.20	
	S. 89°55'E.	40.35		.06	40.35	
East boundary	N. 0°16'E.	40.21	40.21		.19	
	N. 0°02'E.	40.57	40.57		.03	
	N. 0°06'W.	40.37	40.37			.07
	N. 1°07'E.	40.40	40.39		.79	
	N. 0°31'W.	40.35	40.35			.36
	N. 0°24'E.	40.41	40.41		.28	
	N. 0°03'E.	40.36	40.36		.04	
	N. 0°22'E.	40.39	40.39		.26	
	N. 0°07'E.	40.39	40.39		.08	
N. 0°35'E.	40.50	40.50		.41		
N. 0°23'E.	72.90	72.90		.49		
4th Std. Par. S.	N. 89°43'W.	30.21	.15			30.21
	N. 89°38'W.	40.15	.26			40.15
	N. 88°59'W.	40.04	.71			40.03
	N. 89°54'W.	80.30	.14			80.30
	N. 89°45'W.	80.56	.35			80.56
	N. 89°18'W.	161.40	1.95			161.39
	S. 89°50'W.	51.13		.15		51.13
West boundary	S. 0°01'W.	277.79		277.79		.08
	S. 0°30'W.	40.40		40.40		.23
	S. 0°10'E.	120.26		120.26		.35
	S. 0°11'E.	40.23		40.23		.13
Convergency	S. 0°16'E.	40.23		40.23		.19
						.44
Totals-----			481.21	480.85	485.38	484.72
			480.85		484.72	
Error in Latitude			0.36			
Error in Departure					0.66	

John P. Heese
 U.S. Surveyor.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, John F. Hesse, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of the East and South boundaries of Tp. 21 S. Rg. 27 E.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed 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 executed.

Table with columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), CAPACITY. Rows include G. E. Lang, F. C. Ayers, B. S. Jackson, E. E. Keopry, J. S. Hughes.

Subscribed and certified to before me on the dates of the final service as shown above.

John F. Hesse U. S. Surveyor.

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BOOK 2658

FINAL OATH OF UNITED STATES SURVEYOR.

I, John F. Hesse, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona for Group 18 bearing date of the 22nd day of May, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the east and south boundaries of Tp. 21 S. Rg. 27 E.

of the Gila and Salt River Base and Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John F. Hesse
U. S. Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }
this 11th day of May, 1914



Frank P. Ingalls
Surveyor General of Arizona.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, July 21, 1914

The foregoing field notes of the survey of the

South and East boundaries of
Township N° 21 South, Range N° 27 East of the
Gila and Salt River Base and Meridian, Arizona.

executed by John F. Hesse, U.S. Surveyor under his special instructions dated May 22nd, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank P. Ingalls
U. S. Surveyor General of Arizona.

~~I certify that the foregoing transcript of the field notes of the above described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~