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4-679

BOOK 3386

FIELD NOTES

of the DEPENDENT RESURVEY of PORTION

of the

SOUTH BOUNDARY

and

SOUTH and EAST BOUNDARIES

and

PARTIAL SUBDIVISIONAL LINES of T. 4 S., R. 4 E.,

WITHIN THE GILA RIVER INDIAN RESERVATION

Of the Gila and Salt River Principal Meridian,

In the State of Arizona.

EXECUTED BY

Guy P. Harrington

Cadastral Engineer

In the capacity of U. S. Surveyor, under Special Instructions dated Sept. 20, 1919

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

No. 98, which were approved by the Commissioner of the General Land

Office, October 11, 1919, and Assignment Instructions dated Oct. 13, 1919

Survey commenced Oct. 28, 1919

Survey completed Nov. 6, 1919

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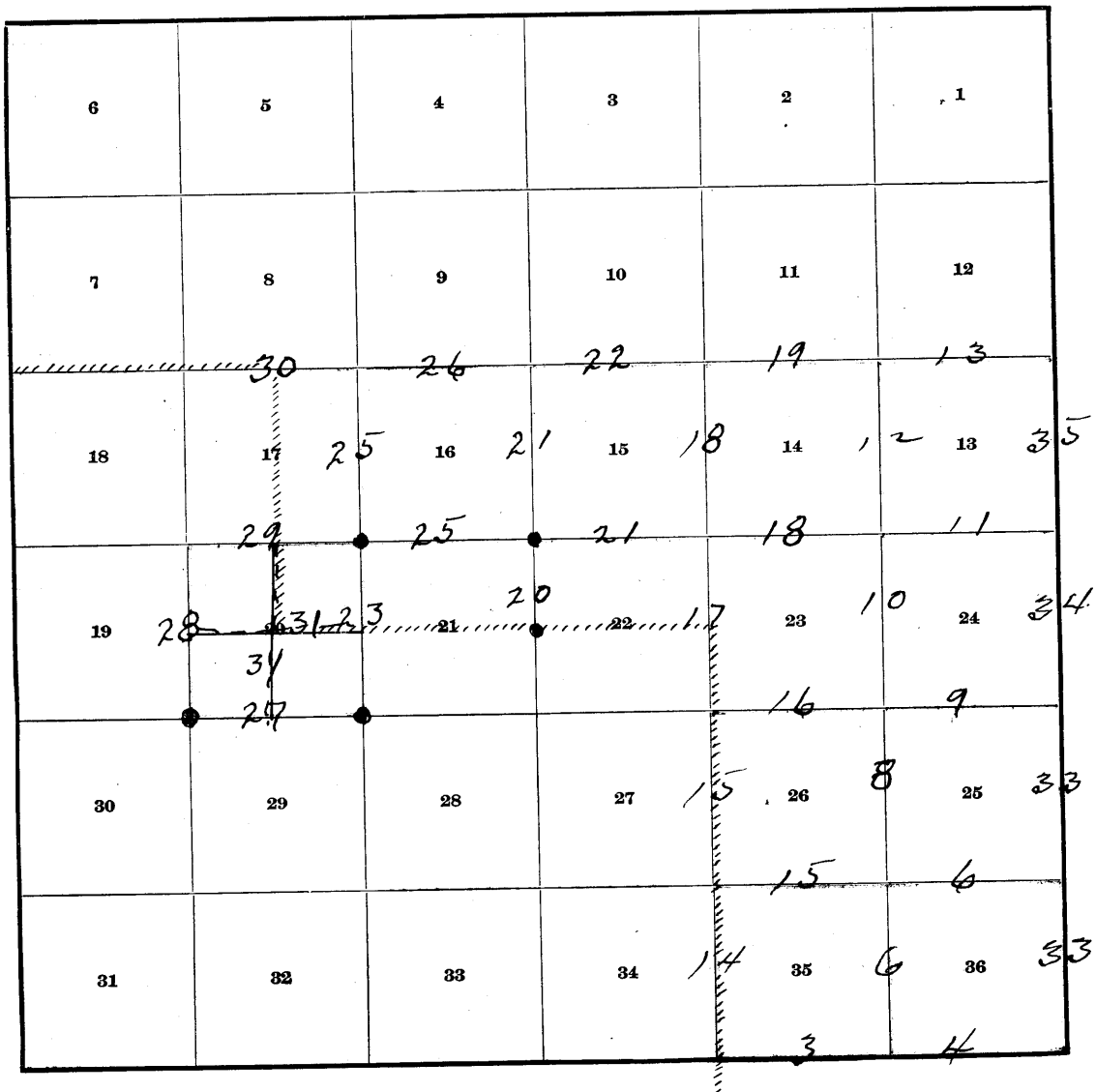
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BOOK 3386

INDEX DIAGRAM.

Township 4 S. Range 4 E.



————— Lines surveyed under this Group

----- Lines resurveyed under this Group

////////// Reservation Boundary

Survey and resurvey executed Oct. 28, to Nov. 6, 1919.

RESURVEY OF T.4 S.R.4 E.

Nov. 1st. 1919, at a transit point in Maricopa Arizona, at 5h 19^m P.M. Int. in latitude $33^{\circ} 03\frac{1}{2}' N.$, and longitude $112^{\circ} 00' W.$ I make an hour angle observation on Polaris, east of the meridian two each with the telescope in direct and reversed positions, reading the horizontal deflections from a point on a windmill about 50.00 chs. NW. Prior to this observation I test my watch with a Western Union clock at the depot at Maricopa and by calculation with the longitude set same at local mean time.

Watch and local mean time of observation is 5h 19m P.M.

Mean horizontal angle from Polaris to windmill is $2^{\circ} 26' 00'' N.-W.$

Azimuth of Polaris is $1^{\circ} 20' E.$

True bearing from transit point to windmill is $N. 1^{\circ} 06' W.$

Nov. 2, 1919, at 9-00 A.M. local mean time I set off $33^{\circ} 03\frac{1}{2}' N.$ on the latitude arc and $14^{\circ} 32' S.$ on the declination arc and determine a meridian with solar, which agrees with the meridian determined by Polaris.

At apparent noon I set off $33^{\circ} 03\frac{1}{2}' N.$ on the lat. arc. and observe the sun on the meridian, the resulting declination is $14^{\circ} 35' S.$ which is within $\frac{1}{4}'$ of the proper declination.

At 3-00 P.M. local mean time I set off $33^{\circ} 03\frac{1}{2}' N.$ on the latitude arc and $14^{\circ} 37' S.$ on the declination and determine a meridian with the solar, which agrees within $\frac{1}{2}'$ with the meridian determined by Polaris. Upon the day I complete the work of this township, which is Nov. 5th. 1919 I again test my instrument upon this meridian and find that it determines a meridian within $\frac{1}{4}'$ of the meridian determined by Polaris.

Previous to commencing the work on this township I had previously tested my instrument upon a meridian determined by Polaris at Florence Arizona which is described in the notes of resurvey of T.5 S.R.7 E. I am reasonably sure therefore that my instrument was in proper adjustment at all times while engaged upon resurveys in this township.

RESURVEY OF PORTION OF S. BDY. T.4 S. R.4 E.

Beginning at the restored cor. of secs. 2, 3, 34 and 35,
hereafter described,

East on random line bet. secs. 2 and 35.

40.00 I find no evidence of the old $\frac{1}{4}$ sec. cor.

Set temp. cor.

80.00 I find no evidence of the old cor. of secs. 1, 2, 35 and
36.

Set temp. cor.

East on random line bet. secs. 1 and 36.

40.00 I find no evidence of the old $\frac{1}{4}$ sec. cor.

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

82.12 Fall 126 lks. S. of a point which is South 8.11 chs.
of the cor. established in 1911 for cor. of T.4 and 5 S.
R.5 E., and which point is South 40.00 chs. of the re-
stored $\frac{1}{4}$ sec. cor. E. bdy. Sec. 36.

RESURVEY OF PORTION OF S. BDY. T.4 S. R.4 E.

Beginning at the restored cor. of secs. 2,3,34 and 35 on the S. bdy. of tp. which is an iron post 3 ins. diam. 10 ins. above ground, mkd. and witnessed as described by the Surveyor General in the survey made in 1916;

Thence N.89° 33'E. bet. secs. 2 and 35,

over gently rolling land through undergrowth of greasewood

40.53 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for secs. 35 only with brass cap mkd.

$\frac{1}{4}$ S35

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

41.06 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec.2 only with brass cap mkd.

$\frac{1}{4}$ S2

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I fail to find any evidence of the old $\frac{1}{4}$ sec. cor. or of a cor. established by Surveyor Hesse in 1916.

70.50 Road bears NE. and SW.

79.30 Road bears NE. and SW.

81.06 At proportional distance, set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 1,2,35 and 36 with brass cap mkd.

T4SR4E
S35:S36
S2 :S1
GRINT5S

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

I find no evidence of the old original cor.

The cor. established by Hesse in 1916 which is an iron post 3 ins. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General bears S.60°W. 138 lks. dist. I destroy this cor.

RESURVEY OF PORTION OF RESERVATION. T.4 S. R.4 E.

Land slightly rolling, nearly level.

Soil, sandy and gravelly, 2nd. rate.

Undergrowth, dense to scattering greasewood.

Timber, none.

N. $89^{\circ}33'$ E. bet. secs. 1 and 36, along reservation bdy. over nearly level land through undergrowth of greasewood.

40.00 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 1 only with brass cap mkd.

$\frac{1}{4}$ S1

GRIR

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

40.53 At proportional distance, set an iron post 3 ft. long 1 in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 36 only with brass cap mkd.

$\frac{1}{4}$ S36

GRIR

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I fail to find any evidence of the old $\frac{1}{4}$ sec. cor.

The $\frac{1}{4}$ sec. cor. established by Surveyor Hesse in 1916

which is an iron post 1 in. diam. 1 ft. above ground

mkd. and witnessed as described by the Surveyor General

bears S. 60° W. 200 lks. dist. which I destroy.

81.06 A point from which the cor. of Ts. 4 and 5 S. R. 5 E. as established by the Indian Survey of 1911 which is an iron post 3 ins. diam. 1 ft. above ground mkd. and witnessed as described by the original notes bears N. 8.11 chs. dist. I remove the markings GRIR and PL from the cap of this post. The restored original $\frac{1}{4}$ sec. cor. E. bdy. Sec. 36. bears North 40.00 chains distant.

Set an iron post 3 ft. long 3 ins. diam. 24 ins. in the ground for cor. of ts. 4 and 5 S. R. 4 E. with brass cap

RESURVEY OF PORTION OF S. BDY. T.4 S. R.4 E.

marked:

T4S:
R4E:T5S
S36:R5E
S1 :S6
T5S :GRIR

1919

Dig pits 18x18x12 ins. N. and S. of cor. and W. of cor.
3 ft. dist.

The cor. established by Surveyor Hesse in 1916 which is
a granite stone 10x10x8 ins. above ground mkd. 6 notches
on N., S., E., and W. faces bears S.60° 30'W. 2.63 chs.
dist. which cor. I destroy.

I find no evidence of the old original cor.

Land nearly level and slightly rolling.

Soil, sandy and gravelly, 2nd. rate.

Undergrowth, greasewood.

Note- The above line bet. secs. 1 and 36 is on the
Reservation bdy. since sec. 36 is a school sec. and the
property of the State of Arizona.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

Beginning at the cor. of secs. 1,2,35 and 36 on S. bdy. of tp., previously described,

N.0° 26'E. bet. secs. 35 and 36 on reservation bdy. over nearly level land through scattering mesquite and greasewood.

3.10 Dim road bears NE. and SW.

40.10 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for 1/4 sec. cor. with brass cap mkd.

G
R
I
R S35:S36
1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

I find no evidence of the old 1/4 sec. cor.

61.00 Sandy wash, 20 lks. wide course NW.

80.20 The old cor. of secs. 25,26,35 and 36 which is a palaverde post, 3 1/2 ins. square, 1 ft. above ground mkd. and witnessed as described by the Surveyor General. Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 25,26,35 and 36 with brass cap mkd.

T4SR4E
GRIR S26:S25
S35:S36
1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land, nearly level valley.

Soil, sandy loam, somewhat gravelly, 1st. and 2nd. rates.

Timber, scrubby mesquite and palaverde.

Undergrowth, same together with greasewood.

Beginning at the old cor. of secs. 25,30,31 and 36 on E. bdy. of tp., which since the survey of 1911 has referred to secs. 25 and 36 only, which is a mesquite post, 4 ins. square, 1 ft. above ground mkd. and witnessed as described in the original notes. Alongside this post set an iron post, 3 ft. long, 2 ins. diam. 24 ins. in the

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

ground for cor. of secs. 25 and 36 with brass cap mkd.

GRIR
T4S:T4S
R4E:R5E
S25:S31
S36:
:
1919

Dig pits 18x18x12 ins. SW. and NW. of cor. 3 ft. dist.

Thence N.89° 45' W. bet. secs. 25 and 36, on reservation bdy., over nearly level land through undergrowth of greasewood and scattering and scrubby timber of palafierro.

40.53 The point for the $\frac{1}{4}$ sec. cor. as I determine from old bearing trees as follows:

I measure the reported distance and bearing from the SW. bearing tree and from the stump of the S. bearing tree. By this method I determine two points 50 lks. apart. At a point midway between the above determined points I set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

GRIR
 $\frac{1}{4}$ S25
S36

1919

From which point the old bearing trees are as follows:

A palafierro, 12 ins. diam. bears S.48° W. 207 lks. dist. mkd. $\frac{1}{4}$ S36 BT.

A palafierro stump, 12 ins. diam. bears S.1° 30' E. 258 lks. dist. mkd. $\frac{1}{4}$ S36 BT.

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

Thence S.89° 19' W., continuing measurement,

80.14 Cor. of secs. 25, 26, 35 and 36.

Land nearly level valley.

Soil, sandy and gravelly, 1st. and 2nd. rates.

timber, scrubby palafierro.

Undergrowth, greasewood.

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

N.0° 16' W. bet. secs, 25 and 26,

over nearly level land through greasewood.

36.00 Road bears NE. and SW.

40.20 The point for the old $\frac{1}{4}$ sec. cor. which I determine from old bearing trees. Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S26 : S25

1919

From which the old bearing trees,

A palafierro, 14 ins. diam. bears N.25° E. 98 lks. dist. mkd. $\frac{1}{4}$ S25 BT.

A palafierro, 8 ins. diam. bears S.45° W. 62 lks. dist. mkd. $\frac{1}{4}$ S26 BT.

Thence N.0° 5' E. continuing measurement.

80.10 Cor. of secs. 23, 24, 25 and 26 which is a mesquite post 3 ins. square, 2 ft. above ground mkd. as described by the Surveyor General but no accessories remain. Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 23, 24, 25 and 26 with brass cap mkd.

T4SR4E
S23: S24
S26: S25

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering and scrubby palafierro.

Undergrowth, dense greasewood.

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RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

Beginning at the old cor. of secs. 19, 24, 25 and 30 on the E. bdy. of tp. which since the survey of 1911 has referred to secs. 24 and 25 only, which is a mesquite post 4 ins. square, $1\frac{1}{2}$ ft. above ground mkd. and witnessed as described by the Surveyor General.

Alongside this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 24 and 25 with brass cap mkd.

T4S:
R4E:T4S
S24:R5E
S25:S30

1919

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

Thence S. $89^{\circ} 48'$ W. bet. secs. 24 and 25, over nearly level land through undergrowth and scattering timber.

37.50 Sandy wash, 15 lks. wide course NW.

40.02 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ $\frac{S24}{S25}$

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

62.00 Road bears NE. and SW.

69.00 Wash, 15 lks. wide course NW.

80.04 Cor. of secs. 23, 24, 25 and 26.

Land nearly level valley.

Soil, sandy and gravelly, 1st. rate.

Timber, scrubby palafierro.

Undergrowth, dense greasewood.

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

N.0°3'W. bet. secs. 23 and 24,
over nearly level land through dense undergrowth and
scattering timber.

- 40.07 The point for the old $\frac{1}{4}$ sec. cor. which I determine from
the old bearing tree. Set an iron post 3 ft. long 1 in.
diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass
cap mkd.

$\frac{1}{4}$
S23:S24

: 1919.

From which old bearing tree,

A palafierro, 18 ins. diam. bears S.88°E. 2.74 chsl
dist. mkd. $\frac{1}{4}$ S24 BT.

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

Thence N.0°10'W., continuing measurement,

- 47.70 Road bears NW. and SE.

- 54.80 Old graded road between Maricopa and Sacaton bears
N.85°W. and S.85 $\frac{1}{2}$ °E.

- 69.80 Wash, 20 lks. wide course NW.

- 80.12 Cor. of secs. 13, 14, 23 and 24 which is determined from
old bearing trees. Set an iron post 3 ft. long 2 ins. diam.
26 ins. in the ground for cor. of secs. 13, 14, 23 and 24
with brass cap mkd.

T4SR4E
S14:S13
S23:S24

1919

From which old bearing trees,

A palafierro, 14 ins. diam. bears N.53°E. 245 lks.
dist. mkd. T4S R4E S13 BT.

A palafierro, stump, 10 ins. diam. bears N.39 $\frac{1}{2}$ °E.
254 chs. dist. mkd. T4S R4E S13 BT.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land nearly level valley.

Soil, sandy and slightly gravelly, 1st. and 2nd. rates.

Timber, scrubby palafierro.

Undergrowth, dense greasewood.

RESURVEY OF A PORTION OF SUBDIVISION T.4 S. R.4 E.

Beginning at cor. of secs. 13, 18, 19 and 24 on E. bdy. of Tp. reestablished during survey of 1911, and then referred to secs. 13 and 24 only, which is a mesquite post 4 ins. square 18 ins. above ground mkd. and witnessed as described in the original notes, alongside of which set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 13 and 24 with brass cap mkd.

T4S:
R4E:T4S
S13:R5E
S24:S19
:
1919

Raise a mound of stone 3 ft. base 2 ft. high W. of cor.

Thence S. 89° 48' W. bet. secs. 13 and 24, ascending gradually, through scattering timber and under-growth.

- 5.00 Begin steep ascent of rocky slope bears NE. and SW.
- 15.00 Summit of ascent bears N. and S. on rocky ridge, 250 ft. high. This ridge extends N. about 10 chs. and S. about 30 chs. to a round sharp pointed peak.
- Descend.
- 20.76 Base of descent in rocky wash, 30 lks. wide course N.
- Ascend.
- 25.00 Round and sharp pointed hill bears N. about 25 chs. dist. This point is on the N. point of a spur which extends to the S.
- Descend.
- 36.00 Draw, 20 lks. wide course SW.
- Ascend steep and rugged SE. slope.
- 40.08 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ $\frac{S13}{S24}$

1919

Raise a mound of stone 3 ft. base 2 ft. high N. of cor.

I find no evidence of the old cor.

RESURVEY OF A PORTION OF SUBDIVISION T.4 S., R. 4 E.

44.45 Top of ascent on S. slope of hill. Summit of hill bears N. about 5 chs. dist.

Descend SW. slope of hill.

50.00 Base of rocky slope bears NW. and SE.

Descend gradually in valley.

72.45 Road bears NE. and SW.

80.16 Cor. of secs. 13, 14, 23 and 24.

Land rugged and mountainous and level valley.

Soil, sandy loam and rocky, 1st. and 3rd. rates.

Timber, scrubby palaverde and palafierro.

Undergrowth, dense and scattering greasewood with cactus in mountainous portion.

N. 0° 7' W. bet. secs. 13 and 14,

over nearly level valley, through scattering timber and dense undergrowth.

8.80 Wash, 15 lks. wide course NW.

11.90 Wash, 15 lks. wide course NW.

37.50 Low spur bears E. and W.

39.92 The original $\frac{1}{4}$ sec. cor., a mesquite post 4 ins. square 1 ft. above ground mkd. and witnessed as described by the Surveyor General. This post is surrounded by a small mound of stone. Alongside set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
S14: S13

1919

From which old bearing trees,

A palafierro, 8 ins. diam. bears N. 56 $\frac{1}{2}$ ° W. 238 lks. dist. mkd. $\frac{1}{4}$ S14 BT.

A palafierro, 8 ins. diam. bears S. 75 $\frac{1}{2}$ ° W. 236 lks. dist. mkd. $\frac{1}{4}$ S14 BT.

Raise a mound of stone 3 ft. base 2 ft. high W. of cor.

Thence N. 0° 16' E. continuing measurement,

88:62 The proportioned point for cor. of secs. 13 and 14, reestablished in 1911, which at that time was on the bdy. of the reservation.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

Set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 13 and 14 with brass cap mkd.

T4SR4E
S11
S14:S13

1919

Dig pits 18x18x12 ins. SE. and SW. of cor. 3 ft. dist. This cor. point was established by proportional measurement on E. and W. line.

Land level valley and slightly rolling.

Soil, sandy loam and stony 1st. and 3rd. rates.

Timber, scrub palaverée and mesquite.

Undergrowth, scattering and dense greasewood.

The position of the old cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the tp. reestablished in the resurvey of 1911 is marked by an iron post 3 ins. diam. 1 ft. above ground mkd. as described in the notes of the survey of 1911. I efface the markings on the cap of this post and mark it for a cor. of secs 13⁷ and 18² as follows:

T4SR4E
S12
S13:S18
R4E:R5E
T4S
1919

Raise a mound of stone 3 ft. base 2 ft. high S. of cor.

Thence N.89° 41' W. along N. bdy. of sec. 13, over level land through undergrowth.

- 18.57 The 1/16 sec. cor. for sec. 12 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.
- 38.57 The $\frac{1}{4}$ sec. cor. for sec. 12 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from this post.
- 40.08 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

$\frac{1}{4}$ S13

1919

- 78.67 Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist. Cor. of secs. 11 and 12, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.
- 80.17 At proportional dist. the cor. of secs. 13 and 14. Land level valley. Soil, sandy loam, 1st. rate. Undergrowth, greasewood. Timber, None.

From cor. of secs. 2, 3, 34 and 35 on the S. bdy. of tp.

N.0° 50'E. bet. secs. 34 and 35, along reservation bdy over nearly level valley, through dense undergrowth.

- 21.00 Wash, 15 lks. wide course W.
- 40.40 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ S34: S35
1919

G
R
I
R

- 80.80 Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist. I find no evidence of the old $\frac{1}{4}$ sec. cor. The point for cor. of secs. 26, 27, 34 and 35 which I determine from the old bearing tree. Set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35 with brass cap mkd.

T4SR4E G
S27: S26 R
S34: S35 I
R

1919

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

From which the old bearing tree,

A palafierro, 8 ins. diam. bears S.78°E. 69 lks. dist. mkd. T4S R4E S35 BT.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering palafierro.

Undergrowth, dense greasewood.

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

S.89° 56' W. bet. secs. 26 and 35,

over level land through dense undergrowth of greasewood.

40.21 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\frac{1}{4} \frac{S26}{S35}$$

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I find no evidence of the old $\frac{1}{4}$ sec. cor.

44.70 Wash, 15 lks. wide course NW.

50.80 Road bears NE. and SW.

80.42 Cor. of secs. 26, 27, 34 and 35.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering and scrubby palafierro.

Undergrowth, dense greasewood.

N.0° 18'E. bet. secs. 26 and 27, along reservation bdy. over nearly level valley.

40.27 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$$\frac{1}{4} \frac{G}{S27:S26 R}$$

1919 R

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

55.00 Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.
I find no evidence of the old $\frac{1}{4}$ sec. cor.
Wash, 5 lks. wide course W;

61.30 Wash, 10 lks. wide course SW.

80.54 Cor. of secs. 22, 23, 26 and 27, which is a mesquite post
4 ins. sq. 18 ins. long lying on surface between 4 pits.
At a point as determined by the old pits as cor. set
an iron post 3 ft. long 2 ins. diam. 24 ins. in the
ground for cor. of secs. 22, 23, 26 and 27 with brass
cap mkd.

T4SR4E G
S22:S23 R
S27:S26 I
R
1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.
Land level valley.
Soil, sandy loam, 1st. rate.
Timber, scrubby and scattering palafierro.
Undergrowth, dense greasewood.

From cor. of secs. 23, 24, 25 and 26,
N. 89° 47' W. bet. secs. 23 and 26,
over nearly level valley land through scattering to
dense undergrowth of greasewood.

39.94 At proportional distance, set an iron post 3 ft. long
1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
brass cap mkd:

$\frac{1}{4}$ $\frac{S23}{S26}$

1919

52.80 Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.
I find no evidence of the old $\frac{1}{4}$ sec. cor.
Wash, 20 lks. wide course NW.

79.88 Cor. of secs. 22, 23, 26 and 27.
Land nearly level valley.
Soil, sandy loam, 1st. rate.
Undergrowth, scattering and dense greasewood.
Timber, none.

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

- N.0°18'E. bet. secs. 22 and 23, on reservation bdy.
 over nearly level valley through dense undergrowth of
 greasewood.
- 9.20 Sandy wash, 10 lks. wide course NW.
 20.10 Sandy wash, 10 lks. wide course NW.
 31.00 Wash, 20 lks. wide course NW.
 40.27 At proportional distance, set an iron post 3 ft. long 1
 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
 brass cap mkd.

$\frac{1}{4}$ G
 S22 : S23 R
 1919 I
 R

- Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.
 I find no evidence of the old $\frac{1}{4}$ sec. cor.
 This cor. is an angle point on the reservation bdy.
 60.70 Old graded road between Sacaton and Maricopa bears
 N.80°W. and S.80°E.
 80.54 Cor. of secs. 14, 15, 22 and 23, which is a palaverde post
 3 ins. square, 1 ft. above ground mkd. and witnessed as
 described by the Surveyor General. Alongside this post
 set an iron post 3 ft. long 2 ins. diam. 24 ins. in the
 ground for cor. of secs. 14, 15, 22 and 23 with brass cap
 mkd.

T4SR4E
S15: S14
S22: S23

1919

- Dig pits 18x18x12 ins. in each sec. 3 ft. dist.
 Land level valley.
 Soil, sandy loam, 1st. rate.
 Undergrowth, dense greasewood.
 Timber, none.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

From cor. of secs. 13,14,23 and 24,
N.89° 28'W. bet. secs. 14 and 23,
over nearly level land through dense undergrowth of
greasewood.

39.63 At proportional distance, set an iron post 3 ft. long 1
in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
brass cap mkd.

$$\frac{1}{4} \frac{S14}{S23}$$

1919

From which

A mesquite, 12 ins. diam. bears N.16° 30'E. 236 lks.
dist. mkd. $\frac{1}{4}$ S14 BT.

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.
I find no evidence of the old $\frac{1}{4}$ sec. cor.

79.26 Cor. of secs. 14,15,22 and 23.

Land nearly level.

Soil, sandy, 1st. and 2nd. rates.

Timber, scattering mesquite.

Undergrowth, none.

N.0° 25'W. bet. secs. 14 and 15,
over nearly level land through undergrowth of greasewood.

36.00 Road bears NE. and SW.

40.25 At proportional distance, set an iron post 3 ft. long 1
in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
brass cap mkd.

$$\frac{1}{4} S15: S14$$

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.
I find no evidence of the old $\frac{1}{4}$ sec. cor.

80.56 The point for cor. of secs. 14 and 15 on the former
reservation bdy. which is determined by proportional
distance between cors. to the E. and W.

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

BOOK 3386

Set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 14 and 15 with brass cap mkd.

T4SR4E
S10
S15: S14

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land nearly level.

Soil, sandy, 1st. and 2nd. rates.

Timber, scattering mesquite and greasewood.

Undergrowth, dense greasewood.

From cor. of secs. 13 and 14 on the former reservation bdy.

N. 89° 41' W. along N. bdy. of sec. 14,

over nearly level land through dense undergrowth of greasewood.

18.40 The 1/16 sec. cor. for sec. 11 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.

24.80 Road bears N. and S.

38.40 Intersect the 1/4 sec. cor. for sec. 11 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.

39.93 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for 1/4 sec. cor. for sec. 14 with brass cap mkd.

1/4 S14

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I find no evidence of the old 1/4 sec. cor.

58.40 The 1/16 sec. cor. for sec. 11 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as

RESURVEY OF PORTION OF SUBDIVISION T74 S. R.4 E.

- described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.
- 78.40 The cor. of secs. 10 and 11, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.
- 79.85 Cor. of secs. 14 and 15.
Land nearly level.
Soil, sandy 1st. and 2nd. rates.
Timber, scattering mesquite.
Undergrowth, dense greasewood.
-
- Beginning at original $\frac{1}{4}$ sec. cor. bet. secs. 21 and 22, which I reestablish from old bearing tree; where I set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
- GRIR
↓
S21: S22
1919
- From which stump of old bearing tree,
A mesquite, 8 ins. diam. bears S.27°W. 91 lks. dist.
mkd. $\frac{1}{4}$ S21 BT.
- bdy.
- This cor. is an angle point on the reservation/ from which the bdy. extends Easterly through the center of sec. 22 and westerly through the center of sec. 21.
N.1° 10'E. bet. secs. 21 and 22,
over nearly level land through dense to scattering undergrowth.
- 29.50 Old graded road between Maricopa and Sacaton, bears N.85° W. and S.85° E.
- 40.23 Cor. of secs. 15, 16, 21 and 22, which is a mesquite post 4 ins. square, 1 ft. above ground mkd. and witnessed as described by the Surveyor General. As this post is badly decayed, in place of same, set an iron post 3 ft. long 2 ins. diam. 26 ins. in the ground for cor. of secs.

BOOK 3088

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

15,16,21 and 22, with brass cap mkd.

T4SR4E
 S16:S15
 S21:S22
 GRIR
 1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

This cor. is an angle point on the reservation bdy. since it bounds sec. 16 which is the property of the State of Arizona.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite and palaverde.

Undergrowth, dense greasewood.

From cor. of secs. 14, 15, 22 and 23,

N. 89° 15' W. bet. secs. 15 and 22,

over nearly level valley.

8.40 Road bears NE. and SW.

40.75 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$ $\frac{S15}{S22}$

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

81.50 Cor. of secs. 15, 16, 21 and 22.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite.

Undergrowth, dense greasewood.

N. 0° 37' E. bet. secs. 15 and 16, along reservation bdy, over nearly level valley, through dense undergrowth and scattering timber.

39.96 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

RESURVEY OF PORTION OF SUBDIVISION T4 S. R.4 E.

1/4 B
S16:S15R
I
1919 R

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.
I fail to find any evidence of the old 1/4 sec. cor.
This cor. is on the reservation bdy.

79.93 Original Cor. Secs. 15 and 16 is a decayed mesquite post 4 ins. square rotted off at the surface with the top portion lying alongside, which is marked as described by the Surveyor general. In place of this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 15 and 16 with brass cap mkd.

T4SR4E
S9GRIR
S16:S15

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist. SE. and SW.
This cor. was not found and recognized in the survey of 1911.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, dense and scattered mesquite.

Undergrowth, dense greasewood.

From cor. of secs. 14 and 15,

N.89° 41' W. along N. bdy. of sec. 15,

over nearly level land, through dense undergrowth.

18.55 The 1/16 sec. cor. for sec. 10 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post as it is no longer on the reservation bdy.

38.56 The 1/4 sec. cor. for sec. 10 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

BOOK 8886

GRIR and PL-from the cap of this post as it is no longer a point on the reservation bdy.

40.09 The proportionate distance, set an iron post 3 ft. long, 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 15, with brass cap mkd.

$\frac{1}{4}$ S15

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist. for sec.10

58.55 The 1/16 sec. cor./which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the markings GRIR and PL from the cap of this post as it is not now on the reservation bdy.

78.55 Cor. of secs. 9 and 10, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post as it is not now on the reservation bdy.

80.18 Cor. of secs. 15 and 16.
Land nearly level.
Soil, sandy loam, 1st. rate.
Timber, scattering mesquite.
Undergrowth, dense greasewood.

I determine the point for cor. of secs. 20, 21, 28 and 29 from the old bearing tree, where I set an iron post 2 ins. diam. 3 ft. long 24 ins. in the ground for cor. of secs. 20, 21, 28 and 29 with brass cap mkd.

T4SR4E
S20:S21
S29:S28

1919

From which old bearing tree,

A mesquite 5 ins. diam. bears N.30°W. 166 lks. dist. mkd. T4S R4E S21 BT.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

RESURVEY OF PORTION OF SUBDIVISION T.4 S.R.4 E.

This cor. is not within the reservation but is a control point for determining the portion of the reservation in sec. 20.

N. 0° 5' W. bet. secs. 20 and 21,
over level land, through dense undergrowth and scattering timber.

.25 Road bears NW. and SE.

39.00 Dim road bears E. and W.

40.07 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

GRIR

S20: S21

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist. This cor. is on the reservation bdy. I find no evidence of the old $\frac{1}{4}$ sec. cor.

74.50 Old graded road bears N. 85° W. and S. 85° E.

80.14 Cor. of secs. 16, 17, 20 and 21, which I determine from old bearing tree. Set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21 with brass cap mkd.

T4SR4E

S17: S16

S20: S21

GRIR

1919

From which old bearing tree,

A mesquite 9 ins. diam. bears S. 18 $\frac{1}{2}$ ° W. 353 lks. dist.

mkd. T4S R4E S20 BT. the marks being in Roman Numerals.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land level.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite.

Undergrowth, dense greasewood.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

From cor. of secs. 15,16,21 and 22,
 S.88° 10'W. bet. secs. 16 and 21, on reservation bdy.
 over nearly level land, through scattering mesquite
 and greasewood.
 40.00 At proportional distance, set an iron post 3 ft. long
 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
 brass cap mkd.

$\frac{1}{4}$ $\frac{S16}{S21}$
 GRIR
 1919

80.00 Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.
 I find no evidence of the old $\frac{1}{4}$ sec. cor.
 Cor. of secs. 16,17,20 and 21.
 Land level valley.
 Soil, sandy loam, 1st. rate.
 Timber, scattered mesquite.
 Undergrowth dense greasewood.

10.00 N.0°5'W. bet. secs. 16 and 17 along reservation bdy.
 over level land through dense and scattering timber
 and undergrowth.
 Road bears NE. and SW.

40.05 The $\frac{1}{4}$ sec. cor. which I determine from the stumps of
 two old bearing trees. There are no marks on these
 stumps but the fact that in measuring the reported
 course and distance from each tree a common point is
 obtained, is good evidence that they are the remains of
 the old trees.
 Set an iron post 3 ft. long 1 in. diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
 R S17:S16
 I
 R 1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

RESURVEY OF PORTION OF SUBDIVISION.T.4 S.R.4 E.

Thence N.0° 33'E. continuing measurement.

33.00 Cor. of secs. 16 and 17, which was identified by the survey of 1911 and is now marked with an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described in the 1911 notes.

In place of this post set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 16 and 17 with brass cap mkd.

T4SR4E
GR S8
IRS17:S16

,1919

Dig pits 18x18x12 ins. SE. and SW. of cor. 3 ft. dist.
Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite.

Undergrowth dense and scattering mesquite and greasewood.

From cor. of secs. 15 and 16,

N.89° 41'W. along N. bdy. of sec. 16,

over level land through scattering timber and dense undergrowth.

15.60 Road bears NE. and SW.

18.37 The 1/16 sec. cor. for sec. 9 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. This cor. remains a point on the reservation bdy.

38.37 The 1/4 sec. cor. for sec. 9 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General.

40.20 The proportionate distance. Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for 1/4 sec. cor. for sec. 16 with brass cap mkd.

GRIR
1/4 S16

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

- 58.37 The 1/16 sec. cor. for sec.9 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. This cor. remains a point on the reservation bdy.
- 78.37 Cor. of secs. 8 and 9 as established in 1911 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. This cor. remains a point on the reservation bdy.
- 80.40 Cor. of secs. 16 and 17.
Land level valley.
Soil, sandy loam, 1st. rate.
Timber, scattering mesquite.
Undergrowth, dense greasewood.
-
- From cor. of secs. 20, 21, 28 and 29,
S. 89° 57' W. bet. secs. 20 and 29,
over level land, through scattering timber and dense undergrowth.
- 40.16 The proportionate distance. Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
- $$\frac{1}{4} \frac{S20}{S29}$$
- 1919
- Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.
I fail to find any evidence of the old $\frac{1}{4}$ sec. cor.
- 45.00 Road bears NW. and SE.
- 62.90 Road bears NW. and SE.
- 71.30 Wash, 20 lks. wide course NW.
- 77.60 Wash, 20 lks. wide course NW.
- 80.32 Cor. of secs. 19, 20, 29 and 30, which point I determine from the old NW. bearing tree and stump of the old NE. bearing tree. Set an iron post 3 ft. long 2 ins. diam. 24 ins. in the ground for cor. of secs. 19, 20, 29 and 30 with brass cap mkd.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

T4SR4E
 S19:S20
 S30:S29

1919

From which old bearing tree,

A mesquite, 6 ins. diam. bears N. $2\frac{1}{4}^{\circ}$ W. 86 lks. dist.
 mkd. T4S R4E S19 BT.

New bearing tree,

A mesquite, 14 ins. diam. bears N. 51° E. 254 lks. dist.
 mkd. T4S R4E S29 BT.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering to dense clumps of mesquite.

Undergrowth, dense greasewood.

N. 0° 27' W. bet. secs. 19 and 20,

over level land through scattering timber and dense under-
 -growth.

6.50 Wash, 20 lks. wide course NW.

8.20 Wash, 20 lks. wide course NW.

Road bears NE. and SW.

40.23 Point for the $\frac{1}{4}$ sec. cor. which I determine from old
 bearing tree. Set an iron post 3 ft. long 1 in. diam.
 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.

$\frac{1}{4}$
 S19:S20

1919

From which old bearing tree

A mesquite, 8 ins. diam. bears N. 30° E. 114 lks. dist.
 mkd. $\frac{1}{4}$ S20 BT.

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

Thence N. 0° 25' E. continuing measurement.

80.31 Cor. of secs. 17, 18, 19 and 20 which I determine from old

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

bearing tree. Set an iron post 3 ft. long 2 ins. diam.
24 ins. in the ground for cor. of secs. 17,18,19 and
20 with brass cap mkd.

T4SR4E
S18:S17
S19:S20

1919

From which the stump of the old bearing tree,

A mesquite 8 ins. diam. bears N.18°E. 265 lks. dist.

mkd. T4S R4E S17 BT.

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.
Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite.

Undergrowth, greasewood and mesquite.

From cor. of sec. 16,17,20 and 21,

West bet. secs. 17 and 20,

over level valley land.

7.20 Road bears NE. and SW.
40.15 At proportional distance, set an iron post 3 ft. long
1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with
brass cap mkd.

G
 $\frac{1}{4}$ — S17R
S20I
R
1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I find no evidence of the old $\frac{1}{4}$ sec. cor.

This cor. is a point on the reservation bdy.

69.50 Old graded road bet. Maricopa and Sacaton bears N.85°W.
and S.85°E.

77.40 Road bears NW. and SE.

80.30 Cor. of secs. 17,18,19 and 20.

Land level valley.

Soil, sandy loam some adobe, 1st. and 2nd. rates.

Timber, scattering mesquite.

Undergrowth, dense greasewood and mesquite.

RESURVEY OF PORTION OF SUBDIVISION T.4 S. R.4 E.

From the cor. of secs. 16 and 17 on the former reservation bdy.

N.89° 35' W. along the N. bdy. of sec.17, over level land through scattering timber and dense undergrowth.

12.70 Road bears NE. and SW.

17.97 The 1/16 sec. cor. for sec. 8 which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from this post as it is not now on the reservation bdy.

37.97 The $\frac{1}{4}$ sec. cor. for sec.8 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the Surveyor General. I remove the marks GRIR and PL from the cap of this post.

39.98 At proportional distance, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 17 with brass cap mkd.

$\frac{1}{4}$ S17GRIR

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.

I find no trace of the old cor.

This point is on the line of the reservation bdy.

Land level valley.

Soil, sandy loam, 1st. rate.

Timber, scattering mesquite.

Undergrowth, greasewood and mesquite.

SUBDIVISION OF SEC. 20, T. 4 S. R. 4 E.

- From $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29,
 North on random line through center of sec. 20,
- 40.00 Set temp. $C\frac{1}{4}$ sec. cor.
- 80.10 Fall 10 lks. E. of the $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20.
 Move temp. $C\frac{1}{4}$ sec. cor. 5 lks. W. on true line.
 From $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20,
 random
 East on true line through center of sec. 20,
- 40.46 Fall 18 lks. N. of the temp. $C\frac{1}{4}$ sec. cor.
- 80.63 Fall 8 lks. N. of the $\frac{1}{4}$ sec. cor. bet. secs. 20 and 21.
 Point for $C\frac{1}{4}$ sec. cor. is therefore 14 lks. $N.0^{\circ}4'W.$
 of temp. cor.
 Thence $N.89^{\circ}57'W.$ on true line through center of
 sec. 20,
 over level land through dense undergrowth.
- 30.60 Road bears NW. and SE.
- 39.25 Road bears NW. and SE.
- 40.17 Set an iron post 3 ft. long 1 in. diam. 26 ins. in
 the ground for $C\frac{1}{4}$ sec. cor. with brass cap mkd.
- GRIR
 $C\frac{1}{4}$ | S20
- 1919.
- Raise a mound of stone 3 ft. base 2 ft. high N. of cor.
 This cor. is an angle point on the reservation bdy.
- 43.00 Road bears NE. and SW.
- 80.63 The $\frac{1}{4}$ sec. cor. bet. secs. 19 and 20.
 Land level valley.
 Soil, sandy loam, 1st. rate.
 Timber, scattering mesquite.
 Undergrowth, dense greasewood.
- Returning to the $\frac{1}{4}$ sec. cor. bet. secs. 20 and 29,
 $N.0^{\circ}4'W.$ through center of sec. 20,
 over level land through dense undergrowth and scattering
 timber.
- 40.14 The $C\frac{1}{4}$ sec. cor.
- 41.00 Road bears NW. and SE.

SUBDIVISION OF SEC.20,T.4 S. R.4 E.

- 44.60 Road bears NE. and SW.
- 77.80 Old graded road bet. Maricopa and Casa Grande, bears N.85°W. and S.85°E.
- 80.10 The $\frac{1}{4}$ sec. cor. bet. secs. 17 and 20.
 Land level valley.
 Soil, sandy loam, 1st. rate.
 Timber, scattering mesquite.
 Undergrowth, dense greasewood and scattering mesquite.

GENERAL DESCRIPTION.

The area embraced in the scope of this resurvey consists of level valley land. The soil is generally a sandy loam 1st. rate. The entire area is covered with a scattering growth of mesquite and in some places, palaverde and Palafierro timber. The entire area is covered with a dense growth of greasewood.

Ground water is available at a depth of from 40 to 60 ft. with a supply sufficient to irrigate the entire area by pumping. A considerable development has been accomplished just out side of this area in this sort of irrigation.

There are no improvements within this area although the allotting agent has made several hundred allotments to Indians in the area.

I found it impracticable to extend the independent resurvey of 1911 into this area as so many allotments had been made using the old cors. that it would have seriously disturbed the work of the Indian Department.

U.S. GEOLOGICAL SURVEY

PORTION OF
SUPPLEMENTAL RESURVEY OF E. Bdy. T.4 S. R.4E.

The S. 4 miles of this bdy. was the reservation bdy. when the survey of 1911 was made. It is therefore necessary for me to correct the markings of the posts upon this bdy. but I do not retrace the lines for my closures show that they are correctly reported. Alongside the old $\frac{1}{4}$ sec. cor. bet. secs. 31 and 36 which since the survey of 1911 has referred to sec.36 only, which is a palafierro post 4 ins. square 18 ins. above ground mkd. and witnessed as described in the notes of 1911, I set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec.36 with brass cap mkd.

$\frac{1}{4}$
S36:GRIR

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist. This cor. is a point on the reservation bdy. on account of sec.36 being a school sec. and the property of the State of Arizona.

I remove the marks GRIR and PL from the cap of the S.1/16 sec. cor. for sec. 30, which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described by the notes of 1911, since this cor. is not now on the reservation bdy.

Alongside the old $\frac{1}{4}$ sec. cor. bet. secs. 25 and 30 which since the survey of 1911 has referred to the sec.25 only which is a palafierro post, $3\frac{1}{2}$ ins. square 1 ft. above ground mkd. and witnessed as described in the notes of 1911, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec.25, with brass cap mkd.

$\frac{1}{4}$
S25:

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

SUPPLEMENTAL RESURVEY OF PORTION E. BDY. T.4 S.R.4 E.

I remove the marks GRIR and PL from the cap of the N. 1/16 sec. cor. for sec.30 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described in the notes of 1911, since this cor. is no longer a point on the reservation bdy.

I remove the markings GRIR. and P.L. from the cap of the 1/4 sec. cor. for sec.30, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described in the notes of 1911, since this point is not now on the reservation bdy.

I remove the markings GRIR and PL from the cap of the S.1/16 sec. cor. for sec.19, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described in the notes of 1911, since this point is not now on the reservation bdy.

Alongside the old 1/4 sec. cor. for sec.19 and 24 which since the survey of 1911 has refered to sec.24 only, which is a mesquite post 4 ins. square 1 1/2 ft. above ground mkd. and witnessed as described by the notes of 1911, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for 1/4 sec. cor. for sec.24 only. with brass cap mkd.

1/4
S24:

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.

I remove the marks GRIR and PL from the cap of the 1/4 sec. cor. for sec.19 which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described in the notes of 1911, since this cor. is not now on the reservation bdy.

I remove the marks GRIR and PL from the cap of the N.1/16 sec. cor. for sec.19, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as

described in the notes of 1911, since this cor. is not now a point on the reservation bdy.

I remove the marks GRIR and PL from the cap of the S. 1-16 sec. cor. for sec. 18, which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described in the notes of 1911, since this cor. is not now on the reservation bdy.

Alongside the reestablished $\frac{1}{4}$ sec. cor. for secs. 13 and 18 which since the survey of 1911 has referred to sec. 13 only, which is a mesquite post 3 ins. square 10 ins. above ground with a marked stone alongside, mkd. and witnessed as described in the notes of 1911, set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. for sec. 13 with brass cap mkd.

$\frac{1}{4}$
S 13:

1919.

Dig pits 18 x 18 x 12 ins. N. and S. of cor. 3 ft. dist. This cor. was reestablished N. 80.00 chs. of old $\frac{1}{4}$ sec. cor. of Secs. 19 and 24.

I remove the marks GRIR and PL from the cap of the $\frac{1}{4}$ sec. cor. for sec. 18, which is an iron post 1 in. diam. 1 ft. above ground mkd. and witnessed as described in the notes of 1911, since this cor. is not now on the reservation bdy.

I remove the marks GRIR and PL from the cap of the N. 1-16 sec. cor. for sec. 18, which is an iron post 1 in. diam. 10 ins. above ground mkd. and witnessed as described in the notes of 1911, since this cor. is not now on the reservation bdy.

7639
BOOK 3386

CERTIFICATE OF UNITED STATES SURVEYOR.

I, _____, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 191____, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of _____

For oath of U.S.Cadastral Engineer, See Book "A" (T. 1 N., R. 1 E.)

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

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

September 2nd, _____, 1920

The foregoing field notes of the survey of a portion of the south boundary and part of the subdivisions of T. 4 S., R. 4 E. and supplemental resurvey of a portion of the east boundary of same

executed by Guy P. Harrington U.S.Cadastral Engineer

under his special instructions dated September 20, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.


U. S. 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.

U. S. Surveyor General.