

3384

4-679

BOOK 3384

# FIELD NOTES

OF THE

RESURVEY OF PART OF <sup>Dependent</sup> GILA AND SALT RIVER MERIDIAN

THROUGH T. 1 N.

SURVEY OF THE NORTH BOUNDARY OF THE

GILA RIVER INDIAN RESERVATION IN T. 1 N., R. 1 E.

<sup>Dependent</sup>  
RESURVEY OF SUBDIVISIONS

SECS. 31 TO 35, T. 1 N., R. 1 E.

AND

SEGREGATION SURVEY H. E. 2382 DANIEL JOHNSON

IN T. 1 N., R. 1 E.

Of the GILA AND SALT RIVER BASE AND Meridian,

In the State of ARIZONA

EXECUTED BY

GUY P. HARRINGTON

U. S. 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 October 11, 1919

Survey commenced November 17, 1919

Survey completed December 1, 1919

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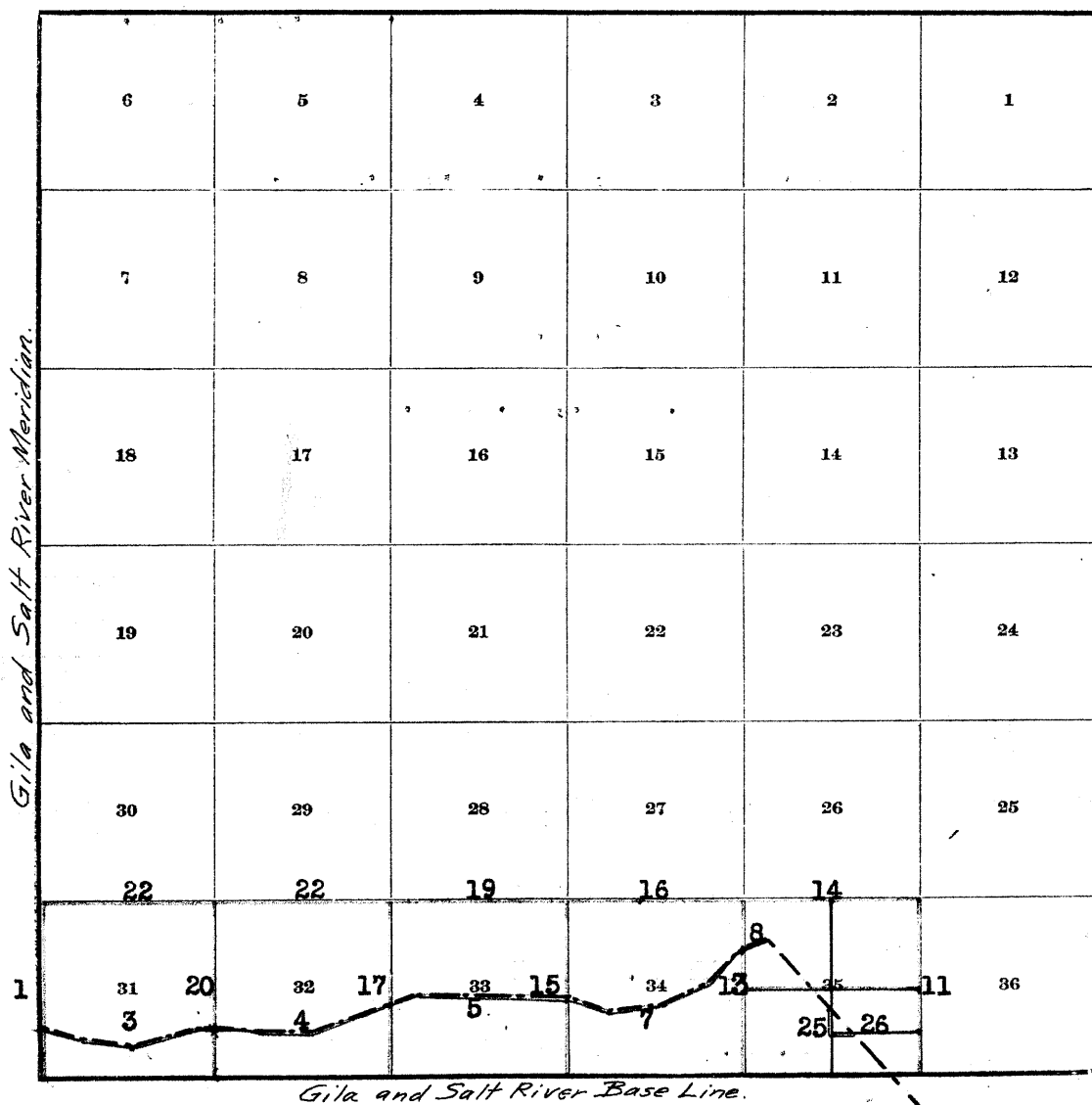
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3384

BOOK 3384

# INDEX DIAGRAM.

Township 1 North, Range 1 East



- Lines resurveyed under this Group
- Indian Reservation Boundary surveyed under this Group
- Segregation survey under this Group

Survey and resurvey executed Nov. 17, to Dec. 1, 1919.

## Resurvey Gila and Salt River Principal Mer. T. 1 N.

Beginning at the Gila and Salt River Initial point previously described,

N. 0° 07' W. bet. secs. 31 and 36,

Descending steep N. slope of round rocky hill.

- 5.00 Base of descent bears E. and W. Enter flood plane river.
- 19.52 Set an iron post 3 ft. long 3 ins. dia. 24 ins. in the ground for the NW. cor. of the Gila River Indian Rese. with brass cap mkd.

T1N  
 RLW:R1E  
 S36:S31  
 :NW Cor  
 :GRIR

1919

Raise a mound of stone 4 ft. base, 2 ft. high SE. of cor. I determine this point from records of the Indian Service at Sacaton Arizona. In correspondence relative to the Executive Order of 1879 it states that the S. bank of the Salt River at its confluence with the Gila river is 1000 ft. N. of the initial point. This is the equivalent of 15.15 chs. By estimating the width of the river at that time at 8.75 chs. I determine that the above point was approx. the middle of the channel in 1879.

- 32.00 Left bank of Salt River at the confluence with the Gila, course W.
- 37.50 Right bank of river course W.
- 40.41 The  $\frac{1}{4}$  sec. cor. which is an iron post 1 in. dia. 10 ins. above ground mkd. and witnessed as described by the Surveyor General. This cor. was reestablished by Sidney E. Blout in 1915.

Thence along middle of roadway.

- 80.52 The cor. of secs. 25, 30, 31 and 36 as determined by Engineer Blout in 1915, which is a sandstone 14 x 12 x 10 ins. 1 ft. beneath the surface of the roadway.
- Alongside this stone, set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36 with brass cap mkd.

2

2

BOOK 3384

Resurvey of Gila and Salt River Principal Meridian T. 1 N

T1N  
R1W:R1E  
S25:S30  
S36:S31

1919

The SE. cor. of brick school house bears N. 53° 19' W.  
136 lks. dist.

Test well of the U. S. R. S. bears N. 66° 19' E. 45 lks.  
dist.

Land level valley and flood plane of the river.

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

T1N. R.1E.

## N. Bdy. Gila River Indian Reservation.

The call for the bdy. is the middle of the channel of Salt River as it existed in 1879 the date of the Executive Order defining the boundary of the reservation.

The ~~survey~~ <sup>resurvey</sup> of T.1 N. R.1 E. was ~~executed~~ in 1868 and in the subdivision the crossings of Salt River are given in the field notes of the subdivision. I thus have a method to **identify** the channel as it existed in 1868 only eleven years prior to the ~~date~~ of the Executive Order.

This method I have used in determining the channel of 1879.

I make inquiry of old settlers as to the position of the river in 1879 but since it has changed so often I could obtain nothing reliable except that it seemed to be the prevailing opinion that the river has been moving to the North.

In my notes of subdivisions I have **identified points** on **section lines which determine the** channel of 1879. From these points I follow out a channel which seems to agree with them very well. I have some difficulty in following the channel as there are a number of places where other channels cut in but the most effective method of following the channel was to observe the size of timber growing within the channel and follow the channel with the uniform size of timber.

I begin at the NW. cor. of the reservation as described in my notes of the resurvey of the Gila And Salt River Meridian in T. 1 N. S.74°19'E.

11.00  
21.27

along gravelly bars along the channel of 1879. Gila River, 500 lks. wide course NW.  
Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.1 with brass cap mkd.

T1N R1E  
S31

AP1 GRIR

1919

Raise a mound of stone 3 ft. base 2 ft. high S. of cor. S.83°45'E.

25.00

Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.2 with brass cap mkd.

## N. Bdy. Gila River Indian Reservation T1N. R1E.

T1N R1E  
S31

AP2 GRIR

1919

- Raise a mound of stone 3 ft. base 2 ft. high S. of cor.  
N.68°30'E.
- 18.00 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the  
ground for A.P.3 with brass cap mkd.

T1N R1E  
S31

AP3 GRIR

1919

- Raise a mound of stone 3 ft. base 2 ft. high S. of cor.  
N.82°30'E. entering present channel of Salt River.
- 18.00 The true point for A.P.4 and C.C. bet. secs. 31 and 32.  
Land level flood plane of the Salt and Gila Rivers.  
Soil, stony and gravelly, 3rd. rate.

- Thence in sec.32 following the channel of 1879 of Salt River  
in the channel of the present river.  
S.77°41'E.
- 16.00 Leave Salt River at right bank of S. channel course NW.
- 16.93 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the  
ground for A.P.5 with brass cap mkd.

T1N R1E  
S32

AP5 GRIR

1919

- Raise a mound of stone 3 ft. base 2 ft. high S. of cor.  
A cottonwood, 12 ins. dia. bears S.55°E. 34 lks. dist. mkd.
- T1N R1E S32 AP5 GRIR B T.  
N.77°00'E.
- along middle of well defined channel through scattering  
undergrowth and timber of cottonwood.
- 15.57 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the  
ground for A.P.6 with brass cap mkd.

## Survey N. Bdy. Gila River Indian Reservation T.1 N.R.1 E.

T1N R1E  
S32

AP6 GRIR  
1919

A cottonwood, 16 ins. dia. bears S.16°30'W. 104 lks. dist. mkd. T1N R1E S32 AP6 GRIR BT.

Raise a mound of stone 3 ft. base 2 ft. high S. of cor. S.88°00'E.

8.74 Set an iron post 3ft. long 2 ins. dia. 24 ins. in the ground for A.P.7 with brass cap mkd.

T1N R1E  
S32

AP7 GRIR

1919

A cottonwood, 16 ins. dia. bears N.67°E. 185 lks. dist. mkd. T1N R1E S32 AP7 BT.

A cottonwood, 18 ins. dia. bears S.3°45'E. 407 lks. dist. mkd. T1N R1E S32 AP7 GRIR B T. N.71°15'E.

32.81 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.8 with brass cap mkd.

T1N R1E  
S32

AP8 GRIR  
1919

A cottonwood, 10 ins. dia. bears S.17°E. 26 lks. dist. mkd. T1N R1E S32 AP8 GRIR BT.

A cottonwood, 12 ins. dia. bears N.81°W. 161 lks. dist. mkd. T1N R1E S32 AP8 BT. N.48°E.

7.52 A.P.9 and C.C. bet. secs. 32 and 33, hereinafter described in notes of the subdivisions.

Land level flood plane of Salt River.

Soil, sandy and gravelly, 3rd. rate.

Scattering undergrowth of cottonwood and willow., with scattering cottonwood timber.

## Survey N. Bdy. Gila River Indian Reservation T.1 N.1E.

Thence in sec.33 along the middle of the channel of 1879 which is well defined, through scattering undergrowth and timber of cottonwood.

N.56°30'E.

- 10.58 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.10 with brass cap mkd.

T1N R1E  
S33

AP10 GRIR  
1919

A cottonwood, 16 ins. dia. bears S.8°30'E. 448 lks. dist. mkd. T1N R1E S32 AP10 GRIR BT.

Raise a mound of stone 4 ft. base 2½ ft. high S. of cor. N.88°00'E.

- 15.96 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.11 with brass cap mkd.

T1N R1E  
S33

AP11 GRIR  
1919

A cottonwood, 14 ins. dia. bears S.45°W. 439 lks. dist. mkd. T1N R1E S33 GRIR BT.

Raise a mound of stone 3 ft. base 2 ft. high S. of cor. S.83°45'E.

- 27.91 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.12 with brass cap mkd.

T1N R1E  
S33

AP12 GRIR  
1919

Raise a mound of stone 4 ft. base 2½ ft. high S. of cor. N.82°00'E.

- 17.44 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.13 with brass cap mkd.

T1N R1E  
S33

AP13 GRIR

1919



Survey N. Bdy. Gila River Indian Reservation T1N R1E.

- 3.00 Raise a mound of stone 3 ft. base 2 ft. high S. of cor. S.88°09'E.
- 3.00 Enter Salt River at the junction of two branches. Main branch has a course of W. and smaller branch has course of S.80°W.
- 11.25 The true point for A.P.14 and the C.C. bet. secs. 33 and 34. as described in notes of resurvey of subdivisions. Land level flood plane of the Salt River. Soil, sandy and gravelly, 3rd. rate. Scattering undergrowth and timber of cottonwood.

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- Thence in sec. 34, S.53°30'E. in channel of Salt river.
- 3.00 Leave river at bank 15 ft. high, bears E. and W.
- 11.19 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.15 with brass cap mkd.

T1N R1E  
S34  

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AP15 GRIR  
1919

A cottonwood, 4 ins. dia. bears S.57°00'E 100 lks. dist. mkd. T1N R1E S34 AP15 GRIR B T. N.81°15'E.

- 16.55 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.16 with brass cap mkd.

T1N R1E  
S34  

---

AP16 GRIR  
1919

A cottonwood, 12 ins. dia. bears N.89°00'E. 77 lks. dist. mkd. T1N R1E S34 AP16 BT.

Raise a mound of stone 4 ft. base 2½ ft. high S. of cor. East.

- 12.77 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for A.P.17 with brass cap mkd.

T1N R1E  
S34  

---

AP17 GRIR  
1919

## Survey N. Bdy. Gila River Indian Reservation T1N R1E.

A cottonwood, 16 ins. dia. bears S.59°00'E. 21 lks. dist.  
mkd. T1N R1E S34 AP17 GRIR BT.

Raise a mound of stone 3 ft. base 2 ft. high S. of cor.  
N.71°00'E.

- 23.06 Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the  
ground for A.P.18 with brass cap mkd.

T1N R1E

S34

AP18GRIR

1919

A cottonwood 12 ins. dia. bears S.42°00'W. 90 lks. dist.  
mkd. T1N R1E S34 AP18 GRIR BT.

A cottonwood, 12 ins. dia. bears N.31°00'W. 83 lks. dist.  
mkd. T1N R1E S34 AP18 BT.

N.50°00'E.

- 26.21 A.P.19 and C.C. bet. secs. 34 and 35, hereinafter described  
in notes of resurvey of subdivisions for this township.  
Land level, subject to overflow.

Soil, sandy and gravelly, 3rd. rate.

Scattering timber and undergrowth of cottonwood.

Thence in sec.35, along the middle of channel of 1879  
which is well defined.

N.70°00'E.

- 12,88 Intersect the NE. Bdy. of the reservation at a point from  
which the  $\frac{1}{2}$  mile cor. bears S.40°58'E. 21.43 chs. dist.  
Set an iron post 3 ft. long 3 ins. dia. 24 ins. in the  
ground for NE. cor. of the reservation with brass  
cap mkd.

T1N R1E

S35

NE COR  
GRIR

1919

A cottonwood, 16 ins. dia. bears S.44°00'E. 155 lks. dist.  
mkd. T1N R1E S35 NE Cor GRIR. BT.

A cottonwood, 16 ins. dia. bears S.7°30'E. 98 lks. dist.

## Survey N. Bdy. Gila River Indian Reservation T.1 N.R.1 E.

mkd. T1N R1E S35 NE Cor GRIR BT.

Land level and subject to overflow.

Soil, sandy and gravelly, 3rd. rate.

Scattered undergrowth and timber of cottonwood.

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## Resurvey of Subdivisions T.1.N. R.1 E.

Nov.15th.1919, at Phoenix Arizona I find by comparison with a Western Union clock that my watch is 1m and 30s. fast of the 105th. meridian time. I set my watch to agree with the clock.

Nov.15th.1919, at a transit point in the village of Laveen Arizona, sec.7, T.1 S.R.2 E. in latitude  $33^{\circ}21'N$ . and longitude  $112^{\circ}11'W$ . at 4h.56m 30s p.m. I ~~with my~~ make hour angle observation on Polaris east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a giant cactus about 1 mile S. in the direction of S-E-N to Polaris.

Watch time of observation is 5h 25m 6s P.M.

Mean horizontal angle from Polaris to cactus is  $179^{\circ}48'48''$  N-E-S.

Azimuth of Polaris is  $N:17^{\circ}42'48''$  E.

True bearing from transit point to cactus is  $S.1^{\circ}06'36''W$ .

Nov.16th.1919 at the above Polaris station at 10-00 A.M. I set off  $18^{\circ}34'S$ . on the declination arc and  $33^{\circ}21'N$  on the latitude arc and determine a meridian with solar, which agrees within  $\frac{1}{2}$  minute with the meridian determined by Polaris.

Nov.16th.1919 at apparent noon with the latitude unchanged I observe the sun on the meridian. The resulting declination is  $18^{\circ}36\frac{1}{2}'S$ . the proper declination.

Nov.16th.1919 at 3-00 P.M. local mean time with the latitude unchanged I set off  $18^{\circ}38'S$ . on the declination arc and determine a meridian with solar, which agrees with the Polaris meridian.

I begin at the standard cor. of secs. 35 and 36, previously described, which is the identical corner from which the resurvey of the base line was initiated in 1910. Alongside this cor. set an iron post 3 ft. long 2 ins. dia. full depth in the ground as the point falls in a public road, with brass cap mkd.

S C  
T1N:R1E  
S35:S36

1919

Resurvey of Subdivision T.l.N. R.l E.

N.0°43'W, bet. secs. 35 and 36,  
in roadway.

.45 Wire fence bears E. and W. Leave roadway and enter level cultivated fields.

Thence parallel to a N. and S. fence to the W. 35 lks. dist. which has been set back from the section line to allow for a right of way.

20.01 Set temp. 1/16 sec. cor. from which to initiate subdivisions of sec.35.

40.02 ~~Set an iron post~~ <sup>The proportional distance</sup> Set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for the 1/4 sec. cor. with brass cap.mkd.

1/4  
S35:S36

1919

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

This cor. is on the line of legal subdivisions as determined by property owners, as evidenced by a wire fence which bears E. and W. at the cor. Along the wire fence is a lateral ditch. Thence along wire fence on the original sec. line.

80.04 Intersect a mesquite post 3 ins. sq. 1 ft. above ground mkd. sec. cor. Although the old original cor. was in the river and was not established in the survey of 1868 this post has long been recognized as the section corner and was established by a local surveyor about 20 years ago. From this post the lines of legal subdivisions have been projected by property owners in the vicinity. I decide to accept this as the corner. Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for cor. of secs. 25, 26, 35 and 36 with brass cap mkd.

T1N:R1E  
S26:S25  
S35:S36

1919

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

Soil, sandy loam 1st. rate.

## Resurvey of Subdivision T. 1 N., R. 1 E

Beginning at the St. cor. of secs. 34 and 35, previously described,

N.  $0^{\circ} 06'$  E., bet. secs. 34 and 35.

along middle of roadway, parallel with fences 25 lks. to the E. and W.

7.50 Irrigation ditch, 4 lks. wide, course W.

25.00 Leave roadway, where road bears NE. Enter dense undergrowth of arrowweed and cottonwood on the level flood plane of the Salt River.

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

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

1919

A cottonwood, 10 ins. dia. bears S.  $31\frac{1}{2}^{\circ}$  W., 75 lks. dist. mkd.  $\frac{1}{4}$  S 34 B T

A cottonwood, 16 ins. dia. bears S.  $21^{\circ}$  E., 114 lks. dist. mkd.  $\frac{1}{4}$  S 35 B T.

56.30 Middle of the channel of Salt River in accordance with the notes of 1868 and there probably was not much change from this position in 1879. This point falls in the middle of a well defined channel, which is taken as the channel of the river in 1879 when the Reservation bdy. bdy. was ordered.

Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for C. C. with brass cap mkd.

T1N R1E  
S34:S35  
C:C  

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C:C  
S34:S35  
A19  
GRIR  
1919.

A cottonwood 12 ins. dia. bears S.  $50^{\circ}$  W. 46 lks. dist. mkd. T 1 N R 1 E S 34 A19 GRIR CCBT.

Raise a mound of stone 3 ft. base 2 ft. high S. of cor. I subsequently determine this as an angle point on the Reservation bdy. so I described the markings complete

## Resurvey of Subdivision T. 1 N. R. 1 E.

at this point.

63.00 Left bank of Salt River course W.

67.00 Right bank of Salt River course W.

Ascend bank, 15 ft. high and leave flood plane of the river bears E. and W.

79.92 The old original cor. of secs. 26, 27, 34 and 35 which is a mesquite post 4 ins. sq. 1½ 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. dia. 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35 with brass cap mkd.

T1N:R1E  
S27:S26  
S34:S35

1919

Dig pits 18 x 18 x 12 ins. in each section 3 ft. dist.

This corner has been accepted by settlers and land owners in the vicinity. It is at the S. end of a lane which bears N. with wire fences on both sides. It is in line with fences which bear E. and W.

Land level valley and low flood plane of the river.

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

Dense undergrowth and scattering cottonwood timber in the flood plane of the river.

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

S. 89° 31' W., bet. secs. 26 and 35,

over flood plane of the river through dense undergrowth of willow and cottonwood.

39.50 The proportionate distance. I fail to find the old ¼ sec. cor.

Set an iron post 3 ft. long 1 in. dia. 26 ins in the ground for ¼ sec. cor. with brass cap mkd.

¼ S 26  
S 35  
1919

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

53.30 Left bank of Salt River course S. 60° W.

59.15 Right bank of Salt River course S. 60° W.



Resurvey of Subdivision T.1 N. R.1 E.

65.00 Bank, 15 ft. high Bears N.60°E. and S.60°W. Leave flood plane of the river. Thence along wire fence through dense mesquite undergrowth with cultivated field on the N.

79.00 Cor. of secs. 26,27,34 and 35.  
Land level valley and flood plane of river.  
Soil, sandy loam and stony and gravelly, 1st. and 3rd. rates.  
Undergrowth dense willow and cottonwood in flood plane and mesquite in higher portions.

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From the standard cor. of secs. 33 and 34 on the base line, previously described,  
N.0°06'E. bet. secs. 33 and 34,  
over level valley land.

1.00 Irrigation ditch, 4 lks. wide course W.

20.00 S. side of slough bears E. and W.

23.00 N. bank of slough, water 3 ft. deep bears E. and W.

34.80 Left bank of Salt River course W.  
Set an iron post 3 ft. long 2 ins. dia. 26 ins. in the ground for witness closing and angle point on the Reservation bdy. with brass cap mkd.

TLN RLE  
 S33:S34  
 C:C  
 C:C  
 S33:S34  
 AP14  
 GRIR WC  
 1919

A cottonwood, 16 ins. dia. bears S.42°E. 259 lks. dist.  
WC  
mkd. TLN RLE S34 AP14 GRIR.CCBT.

A cottonwood, 12 ins. dia. bears S.25½°W. 52 lks. dist.  
GRIR  
mkd. TLN RLE S33 AP14 WCCBT

36.26 True point for C.C. and A.P.14 falls in present river. This is the mean point between the two banks of Salt River in accordance with the survey of 1868 and is the point taken for the channel as it existed in 1879 as the notes of 1868 are the best source of evidence which can be obtained at the present time.

Resurvey of Subdivision T.1 N. R.1 E.

~~40.02~~ ~~40.02~~ The proportionate distance  
 40.02 True point for the  $\frac{1}{4}$  sec. cor. falls in river.

41.25 Right bank of Salt River course W.

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

$\frac{1}{4}$   
 S33:S34  
 WC

1919

Dig pits 18x18x12 ins. N. and S. of cor. 3 ft. dist.  
 Thence over level bottom, subject to overflow.

68.50 Bank, 12 ft. high marking the bdy. of flood plane of the  
 Salt River bears E. and W.

68.70 Irrigation canal, 10 lks. wide course W.

70.00 Road bears E. and W.  
 Thence up roadway with fences on each side 50 lks. dist.

80.04 Intersect a sandstone 10x8x8 ins. above ground unmarked  
 but recognized for many years by the residents of the  
 vicinity as the section cor. It is in the middle of a  
 roadway which bears N. and S., which roadway is intended  
 to be on the section line. A wire fence extends to the  
 East on the supposed section line. I decide to accept this  
 point as the point for cor. Set an iron post 3 ft. long  
 2 ins. dia. 24 ins. in the ground for cor. of secs.  
 27, 28, 33 and 34 with brass cap mkd.

T1N R1E  
 S28:S27  
 S33:S34

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist.  
 Land level valley and river flood plane.  
 Soil, sandy loam and sandy and gravelly, 1st. and 3rd. rates.  
 Undergrowth dense cottonwood and willow in flood plane.

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From cor. of secs. 26, 27, 34 and 35,  
 S. 89° 58' W. bet. secs. 27 and 34,  
 over level valley land.

.50 Wire fence bounding W. side of roadway bears N. and S.

Resurvey of Subdivision T.1 N. R.1 E.

39.90 Thence along wire fence marking the section line.  
 39.90 The proportionate distance  
 At a point under E. and W. fence and in line with fence to the N., set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for the 1/4 sec. cor. with brass cap mkd.

$$\frac{S27}{\frac{1}{4} S34}$$

1919

Dig pits 18x18x12 ins. E. and W. of cor. 3 ft. dist.  
 I fail to find the old 1/4 sec. cor.

79.30 Wire fence marking the E. bdy. of roadway bears N. and S.

79.80 Cor. of secs. 27,28,33 and 34.

Land level river valley.  
 Soil sandy loam 1st. rate.

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From the standard cor. of secs. 32 and 33 on the base line,

N.1°41'W. bet. secs. 32 and 33,  
 over level valley.

1.00 Irrigation ditch, 3 lks. wide course W.

3.00 Left bank of S. channel of Salt River course S.60°W.

6.40 Right bank of S. channel of Salt River course S.60°W.

Thence over flood plane of the river with dense under-growth of cottonwood and willow.

31.05 Which point is within 50 lks. of  
 31.05 The mean distance between the right and left banks of Salt River as reported in the survey of 1868. The old channel is very well defined and this point falls in the middle of it. This is as good a determination as can be made of the position of the river in 1879 which is the Reservation bdy.

Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for closing cor. and also angle point No.9 which I subsequently determine, with brass cap mkd.

$$\frac{T1N R1E}{S32:S33}$$

C:C

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C:C  
 S32:S33  
 AP9 GRIR  
 1919

## Resurvey of Subdivision T.1 N. R.1 E.

- 41.55 Raise a mound of stone 3 ft. base 2 ft. high S. of cor.  
 At proportional distance, set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.
- $\frac{1}{4}$   
S32:S33  
1919
- A cottonwood, 6 ins. dia. bears N.20°E. 32 lks. dist. mkd.  $\frac{1}{4}$  S33 B T.  
 A cottonwood, 12 ins. dia. bears S.68 $\frac{1}{2}$ °W. 208 lks. dist. mkd.  $\frac{1}{4}$  S32 B T.  
 I fail to find any evidence of the old cor.
- 46.00 Left bank of N. channel Salt River course W.  
 52.00 Right bank of Salt River.  
 54.00 Bank, 15 ft. high bounding the flood plane of the river bears E. and W.  
 Thence over level valley with sage brush.
- 60.10 Wire fence bears E. and W.  
 72.25 Irrigation canal, 10 lks. wide course NW.  
 73.00 Wire fence bears NW. and SE.  
 74.10 Irrigation canal, 10 lks. wide course W.  
 76.00 Road bears N. and S.80°E. Thence along road.
- 83,10 Intersect a sandstone, 12x12x10 ins. buried 6 ins. under the surface, alongside of which is a hollow iron pipe 4 ins. dia. and 6 ins. above ground. This point has long been recognized as the proper point for this cor. A graded road, laid out over 20 years ago extends to the W. and likewise a graded road extends to the N. In the case of Haggard vs. Stevens which was tried before the Hon. Judge Kent in the Superior Court at Phoenix Arizona in 1908 this point was decided by the Court as the proper position for the establishment of boundaries of lands in the vicinity.  
 I accept this as the corner point. Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for cor. of secs. 28, 29, 32 and 33 with brass cap mkd.

Resurvey of Subdivision T.1 N. R.1 E.

T1N R1E  
S29:S28  
S32:S33

1919

Dig pits 18x18x12 ins. in each sec. 3 ft. dist. I leave the old stone and the iron pipe alongside post firmly set in ground.

Land level river valley and flood plane.

Soil, sandy loam, 1st. rate and stony and gravelly, 3rd. rate.

Undergrowth, dense cottonwood and willow along the flood plane.

From cor. of secs. 27, 28, 33 and 34,

N. 87° 53' W. bet. secs. 28 and 33,

over level land in roadway.

- .50 Wire fence bounding W. side of roadway bears N. and S.
- 10.00 Wire fence and lateral ditch bears N. and S.
- 20.20 Wire fence bears N. and S.
- 41.25 At proportional distance, set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for the 1/4 sec. cor. with brass cap mkd.

S28  
1/4 S33

1919

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

I fail to find any evidence of the old 1/4 sec. cor. and there is no collateral evidence to support any position of this cor. Its position has long been in doubt by settlers and they have hesitated to make improvements along the line on account of the uncertainty.

- 42.50 Wire fence bears N. and S.
- 42.72 Lateral ditch .3 lks. wide bears N. and S.
- 43.00 Wire fence bears N. and S.
- 54.80 Lateral ditch bears N. and S.
- 66.00 Lateral ditch 3 lks. wide bears N. and S.
- 82.25 Wire fence, forming the E. bdy. of roadway bears N. and S.
- 82.50 Cor. of secs. 28, 29, 32 and 33.

Land level valley, cultivated.

Resurvey of Subdivision T.1 N. R.1 E.

Soil, sandy loam, 1st. rate.

From the standard cor. of secs. 31 and 32 on the base line previously described,  
N.0°3'E. bet. secs. 31 and 32,  
over level flood plane of the Salt River, through under-growth of cottonwood and willow.

15.00 Left bank of Salt River course W.

Set an iron post 3 ft. long 2 ins. dia. 24 ins. in the ground for witness closing cor. on the reservation bdy. and witness A.P. 4 with brass cap mkd.

T1N R1E  
S31:S32  
C:C  
C:C  
S31:S32  
AP4 GRIR  
WC  
1919

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

19.47 The mean of the distances between the right and left banks in accordance with the survey of 1868 which I accept as the middle of the river as it existed in 1879.

There is no other method of determining this point at the present time at least. This point falls in the channel of the present river, and is the true point for C.C. and

38.00 A.P.4 on the reservation bdy.  
41.64 Bank 12 ft. high which forms N. bdy. of flood plane, bears E & W. The point for the 1/4 sec. cor. which was pointed out to me

by Mr. Sanderson and other land owners in the vicinity. The point is in the middle of roadway and in line with fences to the E. and W. From this point landowners have determined the bdy. of their holdings in secs. 31 and 32. The point is marked by a sandstone, 12x10x8 ins. buried beneath the grade one foot below the surface. I decide to accept this point as the point for the 1/4 sec. cor.

Set an iron post 3 ft. long 1 in. dia. 26 ins. in ground for the 1/4 sec. cor. with brass cap mkd.

1/4  
S31:S32  
1919

NW. cor. of Sandersons' frame house bears S.65°20'E. 158 lks. dist.

A cottonwood, 12 ins. dia. bears N.40°W. 63 lks. dist. mkd. 1/4 S31 B T.

This point is on the W. slope of the road grade and is not endangered by traffic on the road.

Thence N.1°03'W. continuing measurement in road.

81.05 The point for cor. of secs. 29,30,31 and 32 which is pointed out to me by local residents. The point is marked by a sandstone 16x14x12 ins. buried 1 ft. below the surface. It is at the intersection of Roads bearing to the S. and E, and W. It has been recognized by the local landowners for over 20 years as the proper corner point. It was located by a local surveyor many years ago and lands in adjoining sections have been laid out to conform to it. Set an iron post 3 ft. long 2 ins. dia. 24 ins. in ground for cor. of secs. 29,30,31 and 32 with brass cap mkd.

T1N R1E  
S30:S29  
S31:S32

1919

The point is not in the track where traffic is passing so it is not in great danger of destruction.

The Initial monument of Arizona Surveys bears S.44°07'W. SE.cor. of adobe house bears S.11°56'W. 5.57 chs. dist. SW.cor. of frame house about 16'x12' bears N.82°E. 5.17 chs. dist.

Mail box post bears S.59°W. 43 lks. dist.

An iron post 4 ins. dia. 1 ft. above ground and probably used as test well by The Reclamation Service bears N.79°27'W. 2.09 chs. dist.

Land level valley and flood plane of the river.

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

## Resurvey of Subdivision T.1 N. R.1 E.

- From cor. of secs. 28, 29, ~~32~~ and 33,  
S.88°30'W. bet. secs. 29 and 32,  
Over level land down middle of road, with fences bounding  
cultivated lands to the N. and S. 50 lks. dist.
- 39.00 At proportional distance, this point falls in middle of road  
where corner would soon be destroyed by traffic. This point  
is in line with fences to the N. and S. and agrees with  
the point which settlers used to determine the cor. in  
establishing their boundaries.  
At a point 20 lks. S., since no point outside of the road can  
be obtained to set a W.C. on line, set an iron post 3 ft. long  
1 in. dia. 26 ins. in the ground for witness  $\frac{1}{4}$  sec. cor.  
with brass cap mkd.
- $\frac{1}{4}$   $\frac{S29}{S32}$   
WC  
1919
- A cottonwood, 36 ins. dia. bears S.82 $\frac{1}{2}$ °E. 133 lks. dist.  
mkd. WC  $\frac{1}{4}$  S32 B T.  
A mesquite, 12 ins. dia. bears N.34°E. 73 lks. dist. mkd.  
WC  $\frac{1}{4}$  S29 B T.
- At the exact point for the cor. I deposit a stone mkd.  
 $\frac{1}{4}$  which is a sandstone 12x12x8 ins. 1 ft. below the surface.
- 78.00 Cor. of secs. 29, 30, 31 and 32.  
Land level valley and entirely in roadway.  
Soil, sandy loam, 1st. rate.
- 
- From cor. of secs. 29, 30, 31 and 32,  
S.89°15'W. bet. secs. 30 and 31, down middle of roadway.  
with fences bounding cultivated lands 50 lks. to the N.  
and S.
- 39.70 The point recognized locally as the  $\frac{1}{4}$  sec. cor. which is  
marked by a sandstone, 12x8x8 ins. 1 ft. below the surface.  
This point falls in middle of roadway and is <sup>in</sup> line with  
old fence and ditch to the S. I mark this stone  $\frac{1}{4}$  and leave  
it in place. At a point 38' lks. S. set an iron post 3 ft.



BOOK 3334

## Resurvey of Subdivision T. 1 N. R. 1 E.

long 1 in. dia. 26 ins. in the ground for witness  $\frac{1}{4}$  sec.  
cor. with brass cap mkd.

$\frac{1}{4}$  S30  
S31  
W C  
1919

A willow, 12 ins. dia. bears N. 32° E. 90 lks. dist. mkd.  
W C  $\frac{1}{4}$  S 30 B T.

A cottonwood, 36 ins. dia. bears S. 4 $\frac{1}{2}$ ° E. 76 lks. dist.  
mkd. W C  $\frac{1}{4}$  S 31 B T.

Thence S. 89° 15' W., bet. secs. 30 and 31, continuing  
measurement.

79.34 The cor. of secs. 25, 30, 31 and 36 on W. bdy. of tp.  
previously described.

Land level valley.

Soil, sandy loam, 1st rate.

Segregation Survey H.E. 2382 Daniel Johnson T. 1 N. R. 1 E.

The object of this survey is to segregate from the reservation the lands of ~~Hd. Entry 2382, F.D.C. 1937, Daniel Johnson, for the N $\frac{1}{2}$  SE $\frac{1}{4}$  Sec. 35.~~ Patented Dec. 17th, 1900. Preliminary to the segregation survey proper it is necessary to subdivide sec. 35 by legal methods in order to determine the boundaries of the claim.

Beginning at the standard  $\frac{1}{4}$  sec. cor. for sec. 35 on the base line, previously described,

North on random line through center of sec. 35.

20.00 Set temp.  $\frac{1}{16}$  sec. cor.

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

79.98 Fall 40 lks. E. of the  $\frac{1}{4}$  sec. cor. bet. secs. 26 and 35

Move temp. C $\frac{1}{4}$  sec. cor. 20 lks. W.

Move temp.  $\frac{1}{16}$  sec. cor. 10 lks. W.

From the  $\frac{1}{4}$  sec. cor. bet. secs. 35 and 36,

S. 89° 45' W. through center of sec. 35.

39.83 Fall 3 lks. S. of the temp. C $\frac{1}{4}$  sec. cor.

79.66 Fall 2 lks. S. of the  $\frac{1}{4}$  sec. cor. bet. secs. 34 and 35.

Point for the C $\frac{1}{4}$  sec. cor. is therefore 2 lks. S. 0° 17' E. of temp. cor.

Returning to the standard  $\frac{1}{4}$  sec. cor. for sec. 35 on the base line,

N. 0° 17' W. through center of sec. 35 on true line, over level land up roadway.

19.99 Set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for  $\frac{1}{16}$  sec. cor. and SW. cor. of H.E. 2382 with brass cap mkd.

C HE  
: 2382  
S $\frac{1}{16}$ : S35  
GRIR :  
C  
1919

A mesquite 14 ins. dia. bears S. 8° 00' W. 213 lks. dist. mkd.  $\frac{1}{16}$  S35 BT.

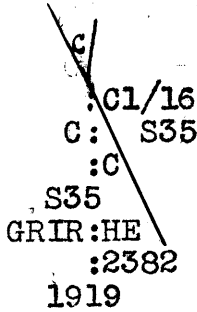
Raise a mound of stone 2 $\frac{1}{2}$  ft. base 1 $\frac{1}{2}$  ft. high W. of cor.

28.84 Intersect the reservation bdy. at a point from which the 1 mile cor., previously described bears S. 40° 58' E. 19.21

Segregation Survey H.E.2382 Daniel Johnson, T.1 N.R.1 E.

chs. dist.

Set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for closing cor. on center line with brass cap mkd.



Raise a mound of stone  $2\frac{1}{2}$  ft. base  $1\frac{1}{2}$  ft. high S. of cor. Land level valley.

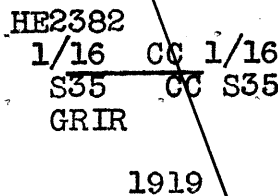
Soil, sandy loam, 1st. rate.

From the 1/16 sec. cor. bet. SW. and SE. quarters of sec. 35 which is the SW. cor. of H.E.2382, N.89°48'E. on true line through center of SE. quarter of sec. 35, a flag at the temp. S. 1/16 sec. cor. bet. secs. 35 and 36 being plainly visible.

.30 Wire fence on E. side of lane or roadway bears N. and S. Enter cultivated fields.

7.60 Intersect the reservation bdy. at a point from which the 1 mile cor. bears S.40°58'E. 7.55 chs. dist.

Set an iron post 3 ft. long 1 in. dia. 26 ins. in the ground for C.C. on 1/16 sec. line with brass cap mkd



A cottonwood, 14 ins. dia. bears N.26°00'W. 90 lks. dist. mkd. 1/16 S35 CCBT.

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

39.91 The point for the S. 1/16 sec. cor. bet. secs. 35 and 36 which point is midway between the St. cor. of secs. 36 and 35 and the  $\frac{1}{4}$  sec. cor.

Land level and under cultivation.

Soil, sandy loam, 1st. rate.

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Guy P. Harrington U.S. Cadastral Engineer, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of

[Dashed lines for text continuation]

of the Meridian, in the State of 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 Julius S. Owens, Myron Haste, John H. Hinrichson, Charles Kaune, Harold A. Scharingson, Fred C. Woods.

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

U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

BOOK 3384

I, Guy P. Harrington U.S. Cadastral Engineer, certify on honor ~~as a Surveyor~~, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona

bearing date of the 20th day of September, 1919, 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

Ts. 1 North and 1 S. R. 1 E.

Ts. 4 and 5 S. R. 4 E.

T. 5 S. Rs. 6, 7 and 8 E.

T. 4 S. R. 7 E.

T. 5 S., R. 5 E.

of the Gila and Salt

River Meridian, in the State of Arizona, which are represented in

the foregoing <sup>and in other of resurveys represented</sup> field notes <sup>as</sup> having been executed by me, and under my direction; and I do further

solemnly swear that all the corners of said survey <sup>s</sup> 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 <sup>and other notes pertaining to resurveys of the above Tps.,</sup> are the original field notes of such surveys.

Guy P. Harrington U.S. Cadastral Engineer

Subscribed by said / and sworn to before me /

Certified this 12th day of December, 1919

Phoenix, Arizona.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, September 2, 1920.

The foregoing field notes of the survey of a portion of the subdivision of

T. 1 N., R. 1 E.

of the Gila and Salt River Base and Meridian in the State of Arizona,

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.

Frank O. Frost 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.

XXXXXXXXXXXXXXXXXXXX

U.S. Surveyor General