

(Book W)

4-679.

Book "B"

78  
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2054

BOOK 2054

# FIELD NOTES

OF THE SURVEY OF THE

of the North, East, and West Boundaries of Tp. 1 N. Rg. 2 W.

2054

2054

2054

Of the Gila and Salt River Meridian,

Territory of Arizona.

AS SURVEYED BY

John F. Hesse, United States Deputy Surveyor,

Under his Contract No. 142, dated November 10th, 1906, 190

Survey commenced May 18, 1907, 190

Survey completed May 28, 1907, 190

2054

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1A  
BOOK 2054

NAMES AND DUTIES OF ASSISTANTS.

A. N. Oliver

Chairman

H. S. Young

Chairman

C. C. Collins

Moundman

Ben Jones

Axman

W. W. Shawk

Flagman.

80  
18

BOOK 2054

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Township *1 N*, Range *2 W.*

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PRELIMINARY OATHS OF ASSISTANTS.

BOOK 2054

WE, A. N. Oliver and H. S. Young  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

A. N. Oliver, Chainman.  
H. S. Young, Chainman.

Subscribed and sworn to before me this 18th  
day of May 1907, 190



John P. Hesse  
U.S. Dep. Surveyor

WE, I. C. C. Collins and  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of my skill and ability, in the survey of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

I. C. C. Collins, Moundman.  
I. C. C. Collins, Moundman.

Subscribed and sworn to before me this 18th  
day of May 1907, 190



John P. Hesse  
U.S. Dep. Surveyor

WE, I. Ben Jones and  
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given us, to the best of my skill and ability, in the survey of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

Ben Jones, Axman.  
Ben Jones, Axman.

Subscribed and sworn to before me this 18th  
day of May 1907, 190



John P. Hesse  
U.S. Dep. Surveyor

I, W. W. Shawk, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

W. W. Shawk, Flagman.

Subscribed and sworn to before me this 18th  
day of May 1907, 190



John P. Hesse  
U.S. Dep. Surveyor

## Resurvey of the West Boundary of Tp. 1 N. Rg. 2 W.

chains.

Survey commenced May 18, 1907 and executed with a Young and Sons light mountain transit No. 7532, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

I examine the adjustments of the transit and find them correct, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the south end of the meridian established at my camp on May 16th. and which I have carefully preserved at 5h. 00m. p.m. l.m.t. May 17th. I set off  $33^{\circ} 23' 1/2''$  N. on the lat. arc;  $19^{\circ} 16'$  N. on the dec'l. arc; and mark a point in the meridian determined with the solar, by a cross on the spike set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation

At 6 a.m., l.m.t. May 18th. I set off  $33^{\circ} 23' 1/2''$  N. on the lat. arc;  $19^{\circ} 24' 1/2''$  N. on the dec'l. arc; and mark a point in the meridian determined with the solar by a cross on the spike already set 5 chs. N. of my station; this mark coincides with the meridian determined by the Polaris observation.

The solar apparatus, by p. m. and a. m. observations defines positions for meridians which coincide with the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 6h. 10m. a.m. is N.  $14^{\circ} 05'$  W. ; the angle thus determined gives the mag. dec'l.  $14^{\circ} 05'$  E.

May 18; At 7h. 00m. a.m., l.m.t. I set off  $33^{\circ} 23'$  N. on the lat. arc;  $19^{\circ} 24'$  N. on the dec'l. arc; and determine a meridian with the solar at the St. cor of Tps. 1N. Rgs. 2 and 3 W. then in order to test the condition of the W. bdy. of the Tp. I run on a random line North bet. secs. 31 and 36

40.00 I can find no trace of the  $\frac{1}{4}$  sec. cor. I continue my line N.

80.12 A point 12 lks. W. of the remains of the old cor. of secs. 25, 30, 31 and 36 a post level with the surface of the ground and badly rotted.

39.95 North between secs. 25 and 30  
The old  $\frac{1}{4}$  sec. cor. the remains of a mound of earth and pits.

39.98 Thence N. from  $\frac{1}{4}$  sec. cor.  
The old cor. of secs. 19, 24, 25 and 30, a mesquite post with marks illegible and indications of pits and a mound of earth.

40.00 North bet. secs. 19 and 24.  
A point 8 lks. E. of the old  $\frac{1}{4}$  sec. cor. a mesquite stake marked  $\frac{1}{4}$ S on one face, and indications of pits and a mound of earth.

40.01 Thence from  $\frac{1}{4}$  sec. cor. North.  
A point 12 lks. E. of the old cor. of secs. 13, 18, 19 and 24, a post lying on the remains of a mound of earth with marks nearly gone.

Resurvey of the West Boundary of Tps. 1 N. Rgs. 2 W.

Chains.	
39.98	North bet. secs. 13 and 18. A point 12 lks. E. of the old $\frac{1}{4}$ sec. cor. the remains of pits and a mound of earth, with post with marks gone lying on mound.
40.02	Thence from $\frac{1}{4}$ sec. cor. North. A point 12 lks. west of the old cor. of secs. 7, 12, 13 and 18, A post with marks nearly gone lying on the remains of a mound of earth.
	May 18; At this cor. I set off $19^{\circ} 26' N.$ on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is $33^{\circ} 26' N.$ ✓
39.98	North bet. secs. 7 and 12. The old $\frac{1}{4}$ sec. cor. a mound of earth nearly gone and faint indications of pits.
39.98	Thence from $\frac{1}{4}$ sec. cor. North A point 30 lks. E. of the cor. of secs. 1, 6, 7 and 12 A post badly rotted lying on the remains of a mound of earth.
40.01	North bet. secs. 1 and 6. A point 8 lks. W. of the $\frac{1}{4}$ sec. cor. a mound of earth nearly obliterated and faint indications of pits.
40.03	Thence from $\frac{1}{4}$ sec. cor. North A point 13 lks. E. of the cor. of Tps 1 and 2 N. Rgs. 2 and 3 W. A mound of earth and 4 pits still well defined.
	May 24: At 2h. 00m. p. m.l.m.t., I set off $33^{\circ} 23' N.$ on the lat. arc; $20^{\circ} 41' N.$ on the dec'l. arc; and determine a meridian with the solar at the st. cor. of Tps. 1 N. Rgs. 2 and 3 W., previously described.
0.06	Thence I run N. $0^{\circ} 05' E.$ bet. secs 31 and 36. Over level land.
0.50	Cross road bears E. and W. Set a granite stone 24 x 7 x 4 ins. 18 ins. in the ground for witness cor. of Tps. 1 N. Rgs. 2 and 3 W., marked WCSC on N., with 6 grooves on N., E., and W. faces; from which
	A mesquite 6 ins. diam., bears N. $15^{\circ} 29' E.$ 204 lks. dist., marked WCST1NR2WS31BT ✓ A mesquite 10 ins. diam., bears N. $17^{\circ} 41' W.$ 129 lks. dist., marked WCST1NR3WS36BT. ✓
2.70	From this witness cor. the S. E. cor. of schoolhouse bears N. $74^{\circ} 22' W.$ 150 lks. dist.
5.00	From this witness cor. the N. E. cor. of W. B. Blackmer house bears S. $37^{\circ} 13' W.$ 365 lks. dist.
27.00	This cor. is under telephone line bears E. and W. Cross wash 80 lks. wide course W.
32.95	Enter dense arrow brush.
40.06	Leave brush and along in road bears S. W. and N. A point whence R. Harrer's house bears E. 6.40 chs. Point for $\frac{1}{4}$ sec. cor. falls in road. Deposit a marked stone 12 ins. in the ground for $\frac{1}{4}$ sec. cor.; from which
	A willow 12 ins. diam., bears S. $69^{\circ} 25' E.$ 54 lks. dist. marked $\frac{1}{4}$ SS1BT ✓
	A granite stone 20 x 10 x 4 ins. set 15 ins. in the ground, marked WC $\frac{1}{4}$ on W. face; with pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist. and a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of stone; bears W. 38 lks. dist.
44.00	Leave road bears N. W. and S.
60.00	Enter road bears S. W. and N.
62.30	A point whence F. Wall's house bears E. 5.74 chs.
65.00	Leave road bears N. W. and S. and through dense sage brush,

## Resurvey of the West Boundary of Tp. 1 N. Rg. 2 W.

Chains.  
 79.75 Cross road bears N. E. and S. W.  
 80.12 The cor. of secs. 25, 30, 31 and 36, I destroy the old cor. and reestablish it in the same place as follows; Set a granite stone 20 x 7 x 6 ins. 15<sup>1</sup>/<sub>2</sub> ins. in the ground for cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S. and 5 notches on N. edges; from which  
 A cottonwood 16 ins. diam., bears N. 21° 36' E. 97 lks. dist. marked T1NR2WS30BT.  
 A willow 14 ins. diam., bears S. 72° E. 33 lks. dist., marked T1NR2WS31BT.  
 No other trees available. Dig pits 18 x 18 x 12 ins. N. W. and S. W. of stone, 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
 Land, level.  
 Soil, adobe; 1st. rate,  
 Timber, a row of cottonwoods and willows along fence 50 lks. E. of line.  
 Undergrowth, arrow and sage brush.  
 Land covered with dense undergrowth 37.12 chs.

North bet. secs. 25 and 30.  
 Over level land.  
 0.50 Along in road.  
 1.20 S. bank Buckeye canal 4 ft. deep, course W.  
 1.50 N. bank Buckeye canal.  
 3.80 Road branches off to E. main road runs N. 10° W.  
 5.20 Cross road bears E. and W.  
 6.70 Cross road first noted bears N. E. and S. W. and through dense sage and scattering mesquite brush.  
 19.50 Leave mesquite brush.  
 29.00 Leave sage brush and through dense greasewood brush.  
 39.95 The old <sup>1</sup>/<sub>4</sub> sec. cor. I destroy the old cor. and reestablish it in the same place as follows; Set a granite stone 18 x 10 x 4 ins. 12<sup>1</sup>/<sub>2</sub> ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor. marked <sup>1</sup>/<sub>4</sub> on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.  
 53.50 Cross wash 3 lks. wide course S. W.  
 74.90 Cross old road bears E. and W.  
 79.93 The cor. of secs. 19, 24, 25 and 30. I destroy the old cor. and reestablish it in the same place as follows: Set a granite stone 18 x 6 x 6 ins. 12<sup>1</sup>/<sub>2</sub> ins. in the ground for cor. of secs. 19, 24, 25 and 30, marked with 2 notches on S. and 4 notches on N. edges; dig pits 18 x 18 x 12 ins. , in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
 Land, level.  
 Soil, adobe; 1st. rate.  
 No timber.  
 Undergrowth, sage, mesquite and greasewood brush.  
 Land covered with dense brush 73.23 chs.  
 May 24, 1907.

May 25: At 7h. 00m. a.m., l.m.t. I set off 33° 24 1/2' N on the lat. arc; 20° 49 1/2' N on the dec'l. arc; and determine a meridian with the solar at the cor. of secs 19, 24, 25, and 30.  
 Thence I run  
 N. 0° 07' W. bet. secs. 19 and 24.  
 Over level land through dense greasewood brush.  
 9.80 Cross wash 6 lks. wide course S.E.  
 10.50 Cross wash 10 lks. wide course E.  
 13.15 Cross wash 20 lks. wide course S. E.  
 17.00 Cross wash 6 lks. wide course S. E.  
 18.10 Cross wash 5 lks. wide course S. E.  
 40.00 The old <sup>1</sup>/<sub>4</sub> sec. cor. I destroy the old cor. and reestablish it in the same place as follows: Set a granite stone 20 x 6 x 5 ins. 15<sup>1</sup>/<sub>2</sub> ins. in the ground for <sup>1</sup>/<sub>4</sub> sec. cor. marked <sup>1</sup>/<sub>4</sub> on W. face; and dig pits 18 x 18 x 12 ins. N.

Resurvey of the West Boundary of Tp. 1 N. Rg 2 W.

chains.	
	and S. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. high 1 1/2 ft. base, W. of cor. Thence from 1/4 sec. cor. N. 0° 10' W. ✓
44.00	Cross old road bears S. E. and N. W.
49.20	Cross road bears E. to Phoenix and W. to Buckeye.
50.60	Cross road bears N. E. and S. W.
70.50	Cross wash 6 lks. wide course S. E.
72.20	Cross wash 10 lks. wide course S. E.
80.01	The cor. of secs. 13, 18, 19 and 24, I destroy the old cor. and reestablish it in the same place as follows: Set a granite stone 24 x 6 x 4 ins. 18 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N. and S. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, adobe; 1st. rate. No timber. Undergrowth, greasewood.
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	N. 0° 10' W. bet. secs. 13 and 18 Over level land, through greasewood and scattering mesquite brush.
3.80	Cross wash 6 lks. wide course S. W.
5.80	Cross wash 6 lks. wide course S. W.
6.50	Cross wash 10 lks. wide course S. W.
12.60	Cross wash 15 lks. wide course S. W.
21.20	Cross wash 10 lks. wide course S. W.
34.00	Cross wash 10 lks. wide course S. W.
39.98	The 1/4 sec. cor. I destroy the old 1/4 sec. cor. and reestablish it in the same place as follows: Set a granite stone 18 x 10 x 4 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor. Thence from 1/4 sec. cor. N. 0° 10' E.
51.50	Cross wash 6 lks. wide course S. E.
52.20	Cross wash 10 lks. wide course S. E.
64.00	Cross wash 10 lks. wide course S. E.
73.50	Cross road bears N. W. and S. E.
77.00	Cross wash 6 lks. wide course S. E.
78.00	Cross wash 6 lks. wide course S. E.
80.00	The cor. of secs. 7, 12, 13 and 18, I destroy the old cor. and reestablish it in the same place as follows: Set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked with 4 notches on S. and 2 notches on N. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 1 1/2 ft. high, W. of cor. Land, level. Soil, adobe; 1st. rate. No timber. Undergrowth, greasewood and mesquite. ✓ May 25: At this cor. I set off 20° 51' N. on the dec'l arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 26' N. ✓
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	North bet. secs. 7 and 12. Over level land, through greasewood and scattering mesquite brush.
8.80	Cross wash 6 lks. wide course S. E.
19.60	Cross wash 10 lks. wide course S. E.
27.70	Cross wash 15 lks. wide course S. E.
31.50	Cross wash 20 lks. wide course S. E.
39.98	The 1/4 sec. cor. I destroy the old 1/4 sec. cor. and reestablish it in the same place as follows: Set a granite stone 20 x 6 x 5 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; from which



## Resurvey of the West Boundary of Tp. 1 N. Rg. 2 W.

chains.

A palo Verde 4 ins. diam. bears S. 55° W. 79 lks. dist., marked  $\frac{1}{4}$ S12BT.✓  
 No other trees available. Dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.  
 Thence from  $\frac{1}{4}$  sec. cor. N. 0° 26' W.✓

61.90 Cross wash, 6 lks. wide course S. E.  
 65.50 Cross wash 10 lks. wide course S. E.  
 76.40 Cross wash 10 lks. wide course S. E.  
 79.96 The cor. of secs. 1, 6, 7 and 12. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 24 x 5 x 5 ins. 18 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked with 5 notches on S. and 1 notch on N. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.  
 Land, level,  
 Soil, Sandy adobe; 1st. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite brush.  
 Land covered with dense undergrowth, 79.96 chs.

N. 0° 07' E. bet. secs. 1 and 6.  
 Over level land, through greasewood and scattering mesquite brush.

2.00 Cross wash 8 lks. wide course S. E.  
 5.00 Cross wash 10 lks. wide course S. E.  
 10.00 Cross wash 15 lks. wide course S. E.  
 14.00 Cross wash 10 lks. wide course S. E.  
 31.20 Cross wash 6 lks. wide course S. E.  
 38.10 Cross wash 20 lks. wide course S. E.  
 40.01 The  $\frac{1}{4}$  sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground, for  $\frac{1}{4}$  sec. cor. marked  $\frac{1}{4}$  on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, W. of cor.  
 Thence from  $\frac{1}{4}$  sec. cor. N. 0° 11' W.

51.40 Cross wash 6 lks. wide course S. E.  
 64.00 Cross wash 10 lks. wide course S. E.  
 71.90 Cross wash 20 lks. wide course S. E.  
 80.04 The cor. of Tps. 1 and 2 N. Rgs. 2 and 3 W. I destroy the old cor. and reestablish it in the same place as follows: Set a granite stone 20 x 6 x 5 ins. 15 ins. in the ground, for cor. of Tps. 1 and 2 N., Rgs. 2 and 3 W., marked 2W on N. E., 1 N. on S. E., 3W on S. W., and 2N on N. W. faces; with 6 notches on each edge; from which

A palo verde 5 ins. diam., bears N. 86 3/4° E. 178 lks. dist., marked T2NR2WS31BT.✓  
 No other trees available. Dig pits 24 x 24 x 12 ins. on each line, N., E., and W., 4 ft. and S. of stone 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2 1/2 ft. high, S. of cor.  
 Land, level.  
 Soil, sandy adobe and stony; 1st. and 3rd. rate.  
 No timber.  
 Undergrowth, greasewood and mesquite.  
 Land covered with dense undergrowth, 80.04 chs.

May 25, 1907.

Resurvey of the East Boundary of Tp. 1 N. Rg. 2 W.

Chains.

May 19; At 7h. 00m. a.m., l.m.t., I set off 33° 23' N. on the lat. arc; 19° 37' N. on the dec'l. arc; and determine a meridian with the solar at the standard cor. of Tps. 1 N. Rgs. 1 and 2 W., previously described.

Thence preliminary to commencing my survey I run on a random line

North bet. secs. 31 and 36.

40.00 The 1/4 sec. cor. a post lying on a mound of earth, and marked 1/8.

80.00 A point whence dead stump of old bearing tree bears S. 46° W. 20 lks. dist.

North bet. secs. 25 and 30

40.00 I can find no trace of the 1/4 sec. cor. I continue my line North.

79.65 A point ~~9~~ 1/2 lks. E. of the old cor. of secs. 19, 24, 25 and 30., a post badly rotted, from which the stump of a mesquite 8 ins. diam, bears S. 80° E. 60 lks. dist. marked ~~TINRIWSEKMET~~.

Thence from 1/4 sec. cor. North.

North bet. secs. 19 and 24.

39.67 A point 46 lks. E. of the 1/4 sec. cor. A post badly rotted lying on a mound of earth, nearly obliterated. May 19: At this cor. I set off 19° 39' N. on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 25' N.

Thence North from 1/4 sec. cor.

40.03 A point 6 lks. E. of the old cor. of secs. 13, 18, 19 and 24. pits and a mound of earth nearly obliterated.

North bet. secs. 13 and 18.

41.04 The 1/4 sec. cor. a mound of earth and pits nearly obliterated.

Thence from 1/4 sec. cor. North.

39.85 A point 4 lks. E. of cor. of secs. 7, 12, 13, and 18. A post with marks illegible, lying on a mound of earth nearly obliterated and pits entirely gone.

May 19, 1907.

May 20: At 7h. 00m. a.m., l.m.t. I set off 33° 26' N. on the lat. arc; 19° 50' N. on the dec'l. arc; and determine a meridian with the solar at the cor. of secs. 7, 12, 13 and 18.

Thence I run

North bet. secs. 7 and 12.

40.01 A point 27 lks. E. of the 1/4 sec. cor. a post marked 1/8 lying on a mound of earth, nearly obliterated.

Thence North from 1/4 sec. cor.

39.89 A point 2 lks. E. of the cor. of secs. 1, 6, 7, and 12. a mound of earth nearly gone and faint indications of pits.

North bet. secs. 1 and 6.

39.96 A point 5 lks. E. of the 1/4 sec. cor. the remains of pits and a mound of earth, nearly destroyed.

Thence from 1/4 sec. cor. North.

40.05 The cor. of Tps. 1 and 2. N. Rgs. 1 and 2. W. a mound of earth nearly flattened out and faint indications of pits.

May 20: At this cor. I set off 19° 52' N. on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is, 33° 26' N.

May 20, 1907.

## Resurvey of the East Boundary of Tp. 1 N. Rg. 2 W.

## Chains.

- May 26: At 7h. 00m. a.m., l.m.t. I set off  $33^{\circ} 23' N.$  on the lat. arc;  $21^{\circ} 00' 1/2' N.$  on the dec'l. arc; and determine a meridian with the solar at the standard cor. of Tps. 1 N. Rgs. 1 and 2. W.
- Thence I run  
North bet. secs. 31 and 36.  
Ascend rough S. slope of mountain.
- 0.40 Cross drain 5 lks. wide course S. E., and along in same.  
0.75 Leave drain bears N. E.  
7.15 Top of ridge bears N. E. and S. W. and descend along N. W. slope.
- 17.30 Cross wash 30 lks. wide course N. W.  
29.90 Cross wash 6 lks. wide course N. W.  
35.00 Foot of hills, enter valley and over level land through dense brush.
- 40.00 The old  $\frac{1}{4}$  sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 8 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. of sec. 31, marked  $\frac{1}{4}$  on W. face; from which  
A mesquite 10 ins. diam. bears N.  $51\ 3/4^{\circ} E.$  161 lks. dist. marked  $\frac{1}{4}S31BT.$   
A mesquite 6 ins. diam. bears S  $24\ 3/4^{\circ} E.$  55 lks. dist. marked  $\frac{1}{4}S31BT.$
- 40.75 Set a granite stone 18 x 7 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. sec. 36, marked  $\frac{1}{4}$  on W. face; from which  
A mesquite 6 ins. diam., bears S.  $89^{\circ} W.$  75 lks. dist., marked  $\frac{1}{4}S36BT.$   
A mesquite 4 ins. diam., bears N.  $36\ 1/2^{\circ} W.$  109 lks. dist. marked  $\frac{1}{4}S36BT.$
- 45.90 Cross road bears E. and W.  
57.56 Left bank of Gila River, 6 ft. high, and over sandy, dry bed of river.
- 60.28 Edge of water, 18 ins. deep, course W.  
62.50 N. edge of water.  
80.00 Point for cor. of secs. 31 and 30 falls in bed of river where it will be washed out if established. Thence N.  $0^{\circ} 4' W.$   
80.75 Point for cor. of secs. 25 and 36 falls in bed of river where if established it will be washed out.  
Land, mountainous and level.  
Soil, sandy and adobe; 1st. and 4th. rate.  
No timber.  
Undergrowth, alkali, salt and mesquite brush.  
Mountainous land or land covered with dense undergrowth  
57.56 chs.
- 
- From true point for cor. of secs. 25 and 36 I run N.  $0^{\circ} 04' W.$  on E. bdy. sec. 25.  
Over sandy dry bed of Gila River.
- 19.66 Right bank of Gila River, and over level land through dense brush.  
20.00 Set a granite stone 20 x 6 x 5 ins. 15 ins. in the ground for witness cor. of secs. 25 and 36, and cor. to secs. 30 and 31, marked with 1 notch on E. and 5 notches on N. edges; and N.  $0^{\circ}$  on NE. face, from which,  
A cottonwood 18 ins. diam., bears S.  $80\ 1/2^{\circ} W.$  128 lks. dist., marked WCT1NR2WS36BT.  
A cottonwood 12 ins. diam., bears N.  $62^{\circ} W.$  507 lks. dist., marked WCT1NR2WS25BT.
- 35.40 Bluff 6 ft. high.  
37.85 S. bank of Buckeye canal, 4 ft. deep, course W.  
38.39 N. bank of Buckeye canal.  
38.70 Cross telephone line bears E. and W.  
39.075 Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. of sec. 30, marked  $\frac{1}{4}$  on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist., and raise a mound of earth  $3\ 1/2$  ft. base,  $1\ 1/2$  ft. high; W. of cor.  
39.42 Cross telephone line, bears E. and W.  
39.55 Cross road bears E. and W.

## Resurvey of the East Boundary of Tp. 1 N. Rg. 2 W.

Chains.	
40.00	Set a granite stone 20 x 8 x 6 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 25, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
43.00	Through dense mesquite.
46.00	Leave mesquite, and through salt and alkali brush.
46.40	S. bank of White Tanks canal, not completed, bears E. and W.
46.90	N. bank of White Tanks canal.
61.90	Cross road bears N. W. and S. E.
68.00	Cross wash 25 lks. wide course W.
68.50	Through dense mesquite brush.
78.90	The cor. of secs. 19 and 30. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 20 x 7 x 5 ins. 15 ins. in the ground for cor. of secs. 19 and 30, marked with 2 grooves on S. and 4 grooves on N. edges; from which A mesquite stump 8 ins. diam., bears S. 80° E. 60 lks. dist., marked T1NR1WS30BT. This is the old bearing tree. No other trees available. Dig pits 24 x 24 x 12 ins. in each sec., 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high, E. of cor. Thence N. 0° 39' W.
80.00	Set a granite stone 20 x 8 x 6 ins. 15 ins. in the ground, for cor. of secs. 24 and 25, marked with 2 notches on S. and 4 notches on N. edges; from which A mesquite 10 ins. diam., bears N. 84° W. 91 lks. dist., marked T1NR2WS24BT. A mesquite 10 ins. diam., bears S. 76 1/4° W. 172 lks. dist., marked T1NR2WS25BT. May 26: at this cor. I set off 21° 02' N. on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is 35° 24 1/2' N. Land, level. Soil, sandy, adobe, and loamy; 1st. and 4th. rate. No timber, excepting a few cottonwoods. Undergrowth, mesquite, sage, salt, alkali and arrow brush. Land covered with dense undergrowth 60.34.chs.
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	N. 0° 39' W. on E. bdy. sec. 24. Over level land, through scattering mesquite and alkali brush.
3.00	Cross road bears E. and W.
7.10	Cross wash 6 lks. wide course S. W.
38.57	The old $\frac{1}{4}$ sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 19, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of stone 3 1/2 ft. base 1 1/2 ft. high W. of cor. Thence N. 0° 39' W. on E. bdy. sec. 24.
39.50	Cross road bears N. W. and S. E.
39.60	Cross road bears N. W. and S. E.
40.00	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 24, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
56.10	Cross wash 10 lks. wide course S. W.
71.15	Cross wash 20 lks. wide course S. W.
78.60	The old sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 4 ins. 12 ins. in the ground for cor. of secs. 18 and 19, marked with 3 notches on N. and S. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high E. of cor.

Resurvey of the East Boundary of Tp. 1 N. Rg. 2 W.

chains.

80.00 Thence I run North  
Set a granite stone 20 x 8 x 8 ins. 15 ins. in the ground for cor. of secs. 13 and 24, marked with 3 notches on N. and S. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
Land, level.  
Soil, sandy adobe; 1st. rate.  
No timber.  
Undergrowth, salt, sage, alkali, and mesquite brush.  
Land covered with dense undergrowth, 80.00 chs.

19.50 North on E. bdy. of sec. 13.  
Over level land, through dense brush.  
39.64 Cross road bears E. and W.  
The old  $\frac{1}{4}$  sec. cor. I destroy the old cor. and re-establish it in the same place as follows; Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. of sec. 18, marked  $\frac{1}{4}$  on W. face; from which  
A mesquite 8 ins. diam., bears N.  $60\frac{1}{4}^{\circ}$  E. 322 lks. dist., marked  $\frac{1}{4}$ S18BT.  
A mesquite 8 ins. diam., bears S.  $16\frac{1}{2}^{\circ}$  E. 149 lks. dist., marked  $\frac{1}{4}$ S18BT.

40.00 Thence N.  $0^{\circ} 03'$  W.  
Set a granite stone 18 x 7 x 4 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. of sec. 13, marked  $\frac{1}{4}$  on W. face; from which  
A mesquite 14 ins. diam., bears S.  $57^{\circ}$  W. 81 lks. dist., marked  $\frac{1}{4}$ S13BT.  
A mesquite 5 ins. diam., bears N.  $72^{\circ}$  W. 82 lks. dist., marked  $\frac{1}{4}$ S13BT.

76.25 Cross road bears E. to Phoenix and W. to Buckeye.  
79.49 The old sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 20 x 6 x 5 ins. 15 ins. in the ground for cor. of secs. 7 and 18, marked with 4 notches on S. and 2 notches on N. edges; from which  
A mesquite 12 ins. diam., bears S  $15\frac{3}{4}^{\circ}$  E. 125 lks dist., marked T1NR1WS18BT.  
No other trees available. Dug pit 24 x 24 x 12 ins. N. E. of stone 6 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, E. of cor.

80.00 Thence N.  $0^{\circ} 23'$  W.  
Set a granite stone 20 x 8 x 4 ins. 15 ins. in the ground for cor. of secs. 12 and 13, marked with 4 notches on S. and 2 notches on N. edges; from which  
A mesquite 4 ins. diam., bears S.  $62^{\circ}$  W. 121 lks. dist. marked T1NR2WS13BT.  
A mesquite 6 ins. diam., bears N.  $78\frac{1}{2}^{\circ}$  W. 135 lks. dist., marked T1NR2WS12BT.  
Land, level.  
Soil, sandy adobe; 1st. rate.  
No timber.  
Undergrowth, salt, sage, greasewood and mesquite brush.  
Land covered with dense undergrowth, 80.00 chs.

May 26, 1907.

May 27: At 7h. 00m. a.m. l.m.t., I set off  $33^{\circ} 26'$  N. on the lat. arc;  $21^{\circ} 12'$  N. on the dec'l. arc; and determine a meridian with the solar at the cor. of secs. 12 and 13.

Thence I run  
N.  $0^{\circ} 23'$  W. on E. bdy. of sec 12.  
Over level land, through salt brush and scattering mesquite.  
39.50 The old  $\frac{1}{4}$  sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for  $\frac{1}{4}$  sec. cor. of sec. 7, marked  $\frac{1}{4}$  on W. face; from which  
A mesquite 6 ins. diam., bears S.  $81^{\circ}$  E. 187

## Resurvey of the East Boundary of Tp. 1 N. Rg. 2 W.

chains.	
	lks. dist., marked $\frac{1}{4}$ S7BT. ✓ No other trees available. Dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor. Thence N. 0° 02' W.
40.00	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 12, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
58.00	Leave salt and through dense greasewood brush.
79.39 ✓	The old sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 24 x 5 x 5 ins. 18 ins. in the ground for cor. of secs. 6 and 7, marked with 5 notches on S. and 1 notch on N. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, E. of cor. ✓ Thence N. 0° 04' W.
80.00	Set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for cor. of secs. 1 and 12, marked with 5 notches on S. and 1 notch on N. edges; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of cor. ✓ Land, level. Soil, sandy adobe; 1st. rate. No timber. Undergrowth, salt, greasewood and mesquite brush. Land covered with dense undergrowth, 80.00 chs.
	N. 0° 04' W. <del>entire</del> <del>bdy.</del> sec. 1.
19.35	Over level land, through dense greasewood brush.
35.70	Cross road bears E. and W.
38.10	Cross wash 10 lks. wide course S.W.
39.35 ✓	Cross wash 5 lks. wide course W. The old $\frac{1}{4}$ sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec 6, marked $\frac{1}{4}$ on W. face; from which A mesquite 6 ins. diam. bears S. 59° E. 128 lks. dist., marked $\frac{1}{4}$ S6BT. ✓ No other trees available. Dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor. Thence North
40.00	Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. of sec. 1, marked $\frac{1}{4}$ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, W. of cor.
47.40	Cross wash 10 lks. wide course S. W.
55.55	Cross trail bears N. E. and S. W.
56.20	Cross old road bears N. E. and S. W.
64.40	Cross same road bears S. E. and N. W.
77.00	Cross same road bears N. E. and S. W.
79.00	Cross road bears S. E. and N. W.
79.40 ✓	Set a granite stone 20 x 10 x 10 ins. 15 ins. in the ground for cor. of Tps. 1 and 2 N, Rgs. 1 and 2 W. marked 2N. on N. E., 1W on S. E., 1N on S. W., and 2W on N. W. faces; with 6 notches on each edge; dig pits, 24 x 24 x 12 ins., on each line, N., E., and W., 4 ft. and S. of stone 8 ft. dist.; and raise a mound of earth 5 ft. base 2 1/2 ft. high S. of cor. This cor. is established at the point where the old cor. was located, which I destroy. Land, level. Soil, sandy adobe; 1st. rate. No timber. Undergrowth, greasewood.

## Resurvey of the East Boundary of Tp. 1 N. Rgs. 2 W.

Chains.

Land covered with dense undergrowth, 39.40 chs.  
May 27; At this cor. I set off  $21^{\circ} 12 \frac{1}{2}' N$  on the  
dec'l. arc; and observe the sun on the meridian at noon,  
the resulting lat. is  $33^{\circ} 28' N$ .

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## Resurvey of the North Boundary of Tp. 1N. Rg 2 W.

Chains.

- May 21: At 7h. 00m. a.m. l.m.t., I set off  $33^{\circ} 28' N.$  on the lat. arc;  $20^{\circ} 02\frac{1}{2}' N.$  on the dec'l. arc; and determine a meridian with the solar at the cor. of Tps. 1 and 2 N. Rgs. 1 and 2 W., previously described.
- Thence preliminary to commencing my survey I run on a random line
- West bet. secs. 1 and 36
- 39.80 the  $\frac{1}{4}$  sec. cor. a part of post marked S. and indication of one pit.
- Thence I continue my line West.
- 79.81 The cor. of secs. 1, 2, 35 and 36. a mound of earth and indications of pits.
- 
- West bet. secs. 2 and 35.
- 40.06 A point 7 lks. S. of the  $\frac{1}{4}$  sec. cor. a post with marks illegible, and indication of pits and a mound of earth.
- Thence from  $\frac{1}{4}$  sec. cor. West.
- 40.02 The cor. of secs. 2, 3, 34, and 35, A post nearly rotted away lying on a mound of earth nearly obliterated. I fell 5 lks. N. of this cor.
- 
- West bet. secs. 3 and 34.
- 40.04 A point 9 lks. S. of the  $\frac{1}{4}$  sec. cor. indications of a mound of earth, with pits just discernable.
- Thence West from  $\frac{1}{4}$  sec. cor.
- 40.05 A point 6 lks. S. of the cor. of secs. 3, 4, 33 and 34. A post rotted away lying on a mound of earth nearly obliterated.
- 
- West bet. secs. 4 and 33.
- 39.95 A point 9 lks. S. of the  $\frac{1}{4}$  sec. cor. A post nearly rotted away, and indications of pits and a mound of earth.
- Thence West from  $\frac{1}{4}$  sec. cor.
- 39.92 A point 8 lks. S. of the cor. of secs. 4, 5, 32 and 33 4 pits nearly gone and a mound of earth nearly obliterated.
- May 21; At this cor. I set off  $20^{\circ} 04\frac{1}{2}' N.$  on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is  $33^{\circ} 28' N.$
- 
- West bet. secs. 5 and 32.
- 39.98 A point 31 lks. S. of the  $\frac{1}{4}$  sec. cor. a post with marks illegible lying on a mound of earth nearly obliterated.
- Thence from  $\frac{1}{4}$  sec. cor. West.
- 40.00 A point 7 lks. N. of the cor. of secs. 5, 6, 31 and 32. pits and a mound of earth nearly obliterated.
- 
- West bet. secs. 6 and 31.
- 37.60 A point 4 lks. S. of the cor. of Tps. 1 and 2 N. Rgs. 2 and 3 W.
- May 21, 1907.
- 
- May 28; At 7h. 00m. a. m., l.m.t., I set off  $35^{\circ} 28' N.$  on the lat. arc;  $21^{\circ} 21' N.$  on the dec'l. arc; and determine a meridian with the solar at the cor. of Tps. 1 and 2 N. Rgs. 1 and 2 W., previously described,
- Thence I run
- West bet. secs. 1 and 36.
- Over level land, through greasewood brush.
- 0.35 Cross road bears N. W. and S. E.
- 1.10 Cross wash 10 lks. wide course S.



## Resurvey of the North Boundary of Tp. 1 N. Rg. 2 W.

Chains.	
5.60	Cross same road noted above bears N. E. and S. W.
21.90	Cross same road bears N. 85° W. and S. 85° E.
27.43	Enter road bears N. 85° E. and along S. edge of road.
34.50	Leave road bears N. 80° W.
39.80	The $\frac{1}{4}$ sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 5 ins. 12 $\frac{1}{2}$ ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.
66.70	Cross wash 10 lks. wide course S.
78.95	Cross wash 5 lks. wide course S.
79.81	The cor. of secs. 1, 2, 35 and 36. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 20 x 7 x 5 ins. 15 $\frac{1}{2}$ ins. in the ground for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on W. edges; from which A mesquite 4 ins. diam. bears N. 18 1/2° E. 140 lks. dist., marked T2NR2WS36BT. A mesquite 4 ins. diam. bears S. 54° E. 186 lks. dist., marked T1NR2WS1BT. No other trees available. Dig pits 18 x 18 x 12 ins. N. W. and S. W. of stone, 5 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level. Soil, sandy adobe; 1st. rate. No timber. Undergrowth, greasewood.
	N. 89° 54' W. bet. secs. 2 and 35. Over level land, through greasewood brush.
34.30	Cross wash 5 lks. wide course S.
40.06	The old $\frac{1}{4}$ sec. cor. I destroy the old cor. and re-establish it in the same place as follows; Set a granite stone 18 x 10 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist., and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor. Thence from $\frac{1}{4}$ sec. cor. S. 89° 56' W.
77.75	Cross wash 10 lks. wide course S.
80.08	The old cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 8 x 5 ins. 12 ins. in the ground for cor. of secs. 2, 3, 34, and 35, marked with 2 notches on E. and 4 notches on W. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, sandy adobe; 1st. rate. No timber. Undergrowth, greasewood.
	N. 89° 52' W. bet. secs. 3 and 34. Over level land, through greasewood brush.
40.04	The $\frac{1}{4}$ sec. cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 7 x 5 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor. Thence from $\frac{1}{4}$ sec. cor. N. 89° 55' W.
51.30	Cross wash 6 lks. wide course S.
62.00	Cross wash 6 lks. wide course S.
67.75	Cross wash 6 lks. wide course S.
80.09	The old cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 7 x 5 ins. 12 ins. in the ground for cor. of secs. 3, 4, 33 and 34, marked with 3 notches on E. and W.

Resurvey of the North Boundary of Tp. 1 N. Rgs. 2 W.

chains.

edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level.  
Soil, gravelly; 2nd. rate.  
No timber.  
Undergrowth, greasewood.  
May; 28; At this cor. I set off 21° 22 1/2' N. on the dec'l. arc; and observe the sun on the meridian at noon, the resulting lat. is 33° 28' N.

N. 89° 52' W. bet. secs. 4 and 33.  
Over level land, through greasewood brush.  
14.60 Cross wash 8 lks. wide course S.  
32.50 Cross wash 8 lks. wide course S.  
39.95 The 1/4 sec. cor. I destroy the old cor. and re-establish it in the same place as follows; Set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.  
Thence from 1/4 sec. cor. N. 89° 53' W.  
50.00 Cross wash 10 lks. wide course S.  
63.85 Cross wash 10 lks. wide course S.  
79.87 The old cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 6 ins. 12 ins. in the ground for cor. of secs. 4, 5, 32 and 33, marked with 4 notches on E. and 2 notches on W. edges; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high, W. of cor.  
Land, level,  
Soil, gravelly; 2nd. rate.  
No timber.  
Undergrowth, greasewood.

N. 89° 33' W. bet. secs. 5 and 32.  
Over level land, through greasewood brush.  
3.25 Cross wash 25 lks. wide course S.  
12.90 Cross wash 15 lks. wide course S.  
24.70 Cross wash 8 lks. wide course S.  
26.70 Cross wash 8 lks. wide course S.  
39.98 The 1/4 sec. cor. I destroy the old 1/4 sec. cor. and re-establish it in the same place as follows; Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high, N. of cor.  
Thence from 1/4 sec. cor. S. 89° 54' W.  
41.60 Cross wash 4 lks. wide course S.  
47.90 Cross road bears N. and S.  
49.60 Cross wash 20 lks. wide course S.  
65.00 Cross wash 10 lks. wide course S.  
72.60 Cross wash 10 lks. wide course S.  
76.10 Cross wash 6 lks. wide course S.  
77.60 Cross wash 8 lks. wide course S.  
79.98 The old cor. I destroy the old cor. and re-establish it in the same place as follows: Set a granite stone 18 x 6 x 5 ins. 12 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked with 5 notches on E. and 1 notch on W. edges; from which  
An ironwood 10 ins. diam., bears N. 5 3/4° E. .  
214 lks. dist., marked T2NR2WS52BT.  
An ironwood 8 ins. diam., bears S. 57 1/2° E. .  
102 lks. dist., marked T1NR2WS5BT.  
No other trees available. Dig pits 18 x 18 x 12 ins. N. W. and S. W. of stone 5 1/2 ft. dist.; and raise a mound of earth 4

## Resurvey of the North Boundary of Tp. 1 N. Rg. 2 W.

chains.

mound of earth 4 ft. base 2 ft. high, W. of cor.  
 Land, level.  
 Soil, gravelly; 2nd. rate.  
 No timber.  
 Undergrowth; greasewood.

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N. 89° 57' W. bet. secs. 6 and 31.  
 Over level land, through greasewood and scattering  
 mesquite and palo verde.

5.80	Cross wash 10 lks. wide course S.
12.80	Cross wash 10 lks. wide course S.
22.90	Cross wash 20 lks. wide course S.
26.30	Cross wash 30 lks. wide course S.
31.60	Cross wash 100 lks. wide course S.
37.60	The cor. of Tps. 1 and 2 N. Rgs. 2 and 3 W. previously described.

Land, level.  
 Soil, gravelly; 2nd. rate.  
 Timber, a few palo verde.  
 Undergrowth, greasewood and mesquite.

May 28, 1907.

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GENERAL DESCRIPTION.

This Tp. is level excepting a small part of the south east  
 cor. and the soil is very fertile. The Gila River runs  
 through the south east cor. of the township.

*John G. Hesse*  
 U.S. Dep. Surveyor

Boundaries of T. 1 N., R. 2 W.

Latitudes, departures, and closing errors.

Line Designated.	True bearing.	Distance.	Latitudes.		Departures.	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
West Bdy.	N. 0° 5' E.	80.12	80.12		.12	
	North,	79.93	79.93			
	N. 0° 7' N.	40.00	40.00			.08
	N. 0° 10' W.	79.99	79.99			.23
	N. 0° 10' E.	40.02	40.02		.12	
	North,	39.98	39.98			
North Bdy.	N. 26' W.	39.98	39.98			.30
	N. 0° 7' E.	40.01	40.01		.08	
	N. 0° 11' W.	40.03	40.03			.13
	S. 89° 57' E.	37.60		.03	37.60	
	N. 89° 54' E.	40.00	.07		40.00	
	S. 89° 53' E.	39.98		.31	39.98	
	S. 89° 53' E.	39.98		.08	39.98	
	S. 89° 52' E.	39.95		.09	39.95	
	S. 89° 55' E.	40.05		.08	40.05	
	S. 89° 52' E.	40.04		.09	40.04	
East Bdy.	N. 89° 56' E.	40.02	.05		40.02	
	S. 89° 54' E.	40.06		.07	40.06	
	East,	79.81			79.81	
	South,	40.05		40.05		
	S. 0° 4' E.	39.96		39.96	.05	
	S. 0° 2' E.	39.89		39.89	.02	
	S. 0° 23' E.	40.01		40.01	.27	
	S. 0° 3' E.	39.85		39.85	.03	
	South,	41.04		41.04		
	S. 0° 5' E.	40.03		40.03	.06	
South Bdy. (Base Line)	S. 0° 39' E.	39.67		39.67	.45	
	S. 0° 4' E.	79.65		79.65	.09	
	South,	80.00		80.00		
	S. 89° 21' W.	39.80		.45	39.80	
	N. 89° 53' W.	39.97	.08		39.97	
	N. 89° 52' W.	39.40	.09		39.40	
	N. 89° 53' W.	119.40	.24		119.40	
	N. 89° 51' W.	39.99	.34		39.99	
	N. 89° 28' W.	39.94	.37		39.94	
	West,	39.98			39.98	
Convergency,	S. 89° 56' W.	40.05		.05	40.05	
	N. 89° 49' W. East.	39.75	.13		39.75	.48

481.49      481.38    439.20    439.08  
481.38      439.02  
 Error in lat.      .11      .18 Error in dep

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

BOOK 2054

LIST OF NAMES.

A list of the names of the individuals employed by John F. Hesse

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the <sup>re</sup>survey of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

showing the respective capacities in which they acted:

A. N. Oliver ✓ ..... , *Chainman.*

H. S. Young ✓ ..... , *Chainman.*

C. C. Collins ✓ ..... , *Moundman.*

Ben Jones ✓ ..... , *Asman.*

W. W. Shawk ✓ ..... , *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John F. Hesse

....., United States Deputy Surveyor, in <sup>re</sup>surveying all those parts or portions of the the N., E., and W. boundaries of Tp. 1 N. Rg. 2 W

..... of the Gila and Salt River meridian, Territory of Arizona....., which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Arizona.

A. N. Oliver ✓ ..... , *Chainman.*

H. S. Young ✓ ..... , *Chainman.*

C. C. Collins ✓ ..... , *Moundman.*

Ben Jones ✓ ..... , *Moundman.*

W. W. Shawk ✓ ..... , *Asman.*

W. W. Shawk ✓ ..... , *Flagman.*

Subscribed and sworn to before me this 28th day of May 1907, 190



John F. Hesse  
*U. S. Dep. Surveyor*

No notary available without loss of time and great expense.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

99  
BOOK 205A

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 10th. day of November, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the N., E., and W., boundaries of Tp. 1 N. Rg. 2 W.

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

John F. Hesse  
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me }  
this 2nd day of July, 1907



Frank S. Ingalls  
U. S. Surveyor General  
for Arizona.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Nov. 15<sup>th</sup>, 1907

The foregoing field notes of the <sup>re</sup> survey of the North East and West boundaries of T. 1 N. R. 2 W. of the Gila and Salt River Base and Meridian, in the territory of Arizona.

executed by John F. Hesse, U. S. deputy surveyor under his contract No. 142, dated November 10, 1906, 1906, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls  
United States Surveyor General.

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

United States Surveyor General.