

Rec. Dec. 7.

J. L. Harris Deputy Surveyor.
T. 21 North R. 3 East
Gula & Salt River Meridian.

No-378

FIELD NOTES

OF BOOK 378

THE SUBDIVISION LINES OF

Township 21 North Range 3 East
Gula & Salt River Meridian.

BY

J. L. Harris Deputy Surveyor.

under his Contract of July 27 1878.

Survey Commenced October 26. 1878.

Survey Completed November 1. 1878.

No-378

Platted,

Copied for Washington,

Copied for Register,

J. L. Harris
a. b.

378

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1.....	2 $\frac{1}{2}$	21.....	49	41.....	95 $\frac{2}{3}$
2.....	4 $\frac{2}{3}$	22.....	51 $\frac{1}{3}$	42.....	98
3.....	7	23.....	53 $\frac{2}{3}$	43.....	100 $\frac{1}{3}$
4.....	9 $\frac{1}{3}$	24.....	56	44.....	102 $\frac{2}{3}$
5.....	11 $\frac{2}{3}$	25.....	58 $\frac{1}{3}$	45.....	105
6.....	14	26.....	60 $\frac{2}{3}$	46.....	107 $\frac{1}{3}$
7.....	16 $\frac{1}{3}$	27.....	63	47.....	109 $\frac{2}{3}$
8.....	18 $\frac{2}{3}$	28.....	65 $\frac{1}{3}$	48.....	112
9.....	21	29.....	67 $\frac{2}{3}$	49.....	114 $\frac{1}{3}$
10.....	23 $\frac{1}{3}$	30.....	70	50.....	116 $\frac{2}{3}$
11.....	25 $\frac{2}{3}$	31.....	72 $\frac{1}{3}$	51.....	119
12.....	28	32.....	74 $\frac{2}{3}$	52.....	121 $\frac{1}{3}$
13.....	30 $\frac{1}{3}$	33.....	77	53.....	123 $\frac{2}{3}$
14.....	32 $\frac{2}{3}$	34.....	79 $\frac{1}{3}$	54.....	126
15.....	35	35.....	81 $\frac{2}{3}$	55.....	128 $\frac{1}{3}$
16.....	37 $\frac{1}{3}$	36.....	84	56.....	130 $\frac{2}{3}$
17.....	39 $\frac{2}{3}$	37.....	86 $\frac{1}{3}$	57.....	133
18.....	42	38.....	88 $\frac{2}{3}$	58.....	135 $\frac{1}{3}$
19.....	44 $\frac{1}{3}$	39.....	91	59.....	137 $\frac{2}{3}$
20.....	46 $\frac{2}{3}$	40.....	93 $\frac{1}{3}$	60.....	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain. horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
0		0		0		0	
4	0-24	11	1-88	18	5-14	25	10-54
5	0-38	12	2-24	19	5-76	26	11-26
6	0-55	13	2-63	20	6-42	27	12-24
7	0-76	14	3-06	21	7-11	28	13-37
8	0-98	15	3-53	22	7-85	29	14-34
9	1-24	16	4-02	23	8-64	30	15-47
10	1-55	17	4-56	24	9-47	35	22-07

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BOOK 378

J. W. Harris Deputy Surveyor.

T. *21 North* R. *3 East*
Gila & Salt River Meridian.

No-378

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *21 North* Range *3 East*
Gila & Salt River Meridian.

BY

J. W. L. Harris Deputy Surveyor.

under his Contract of *July 29* 1878.

Survey Commenced *October 26* 1878.

Survey Completed *November 1* 1878.

Platted.

Copied for Washington,

Copied for Register,

Township 21 North Range 3 East

1A Gila Salt River Meridian,

BOOK 378

6	60	5	44	4	33	3	22	2	11	1
59		58		43		32		21		10
7	57	8	42	9	31	10	20	11	9	12
56		55		41		30		19		8
18	54	17	40	16	29	15	18	14	7	13
53		52		39		28		17		6
19	51	20	38	21	27	22	16	23	5	24
50		49		37		26		15		4
30	48	29	36	28	25	27	14	26	3	25
47		46		35		24		13		2
31	45	32	34	33	23	34	12	35	1	36

OK

Preliminary Oaths of Assistants.

We, Richard Shrope
and N. Van Alstine

do solemnly swear that we will faithfully execute the duties of Chain Carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability.

Richard Shrope
N. Van Alstine

Sworn to and subscribed before me, this 17th
day of August, 1878.

John R. Farrell
Notary Public.

We, Wm. Amos Kolb, Hagman, & W. Swastegui
& Frank Carpenter, Ammen, & D. B. Dodson, Pitman
do solemnly swear that we will well and truly per-
form the duties of Hagman, Ammen and
Pitman, respectively
according to instructions given us, and to the best
of our skill and ability.

Wm. Amos Kolb
W. Swastegui
Frank Carpenter
D. B. Dodson

Sworn to and subscribed before me this 17th
day of August, 1878

John R. Farrell,
Notary Public.

Chains From the corner to Sections 35, 36, 1 and 2 on the South boundary I run.
North, between Sections 35 and 36.

Variation 15° 40' East.

As per E. Boundary

- 9.25 House 400 lks. N.
- 10.00 Descend into canon brs. S. E.
- 19.00 Leave same brs. S. E.
- 34.57 The overland road brs. E. & W.
- 40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 14 sec. cor. from which
A Pine, 30 in. dia. brs. N. 82° W. 58 lks. dist.
do. 36 " " " S. 32° E. 68 " "
- 51.43 A Pine 22 in. dia.
- 66.00 Leave timber brs. N. W. & S. E., onto opening brs. N. & N. W.
- 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 25, 26, 35 & 36. from which
A Pine, 26 in. dia. brs. S. 81° E. 229 lks. dist.
do. 36 " " " N. 67° E. 276 " "

None near in the other secs.
Land level. Soil poor. Mostly heavy timber on line. The canon on first part of line starts just N. of line and is formed by the wash from an open park in sec. 35.

Township 21 North BOOK 378 Range 3 East 2
Gila & Salt River Meridian.

Chains East, on a random line between Sections 25 and 36.
 Variation $15^{\circ}40'$ East.

In opening:

3.00 Enter timber brs. N. and S.
 40.00 Set temporary cor.
 80.15 Intersect E. boundary 19 hrs. S. of cor. to
 secs. 25 and 36. from which cor. run
 $S. 89^{\circ}52' W.$
 on a line between secs. 25 & 36.
 $var. 15^{\circ}40' E.$

40.07 Set a post, marked 14 S. 4 ft long, flat-
 tened 3 in wide, 1 ft in the ground, and
 build mound of stones 2 ft high, as
 for a structure for 14 sec. cor.
 from which

A Pine. 24 in dia. brs. N. $55^{\circ} E.$ 90 lbs. dist.
 do 39 " " " S. $52^{\circ} W.$ 116 " "

80.15 Cor. to secs. 25, 26, 35 & 36.

Land rolling, rocky & poor.
 Mostly heavy Pine timber.

October 26, 1878.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation 15°40' East.

In opening.

11.00
35.00
40.00

Enter timber brs. N. W. & S. E.
Leave timber brs. N. W. & S. E.
Set a post, marked 1/4 S. marked 1/4 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
A Pine, 30 in. dia brs. N. 9° E. 118 lbs. dist.
do. 30 " " " S. 80° E. 223 " "
Cor. in E. edge of little opening, brs. N. W.

45.00
80.00

Enter timber brs. N. W. & S. E.
Set a post, marked & scotched, 4 ft long, 3 in. sq'd. 1 ft in the ground, and build mound of stones 2 ft high as per instructions for cor. to Secs. 23, 24, 25 and 26, from which
A Pine, 28 in. dia brs. S. 38° E. 5 lbs. dist.
do. 25 " " " S. 66° W. 21 " "
do. 25 " " " N. 62° W. 20 " "
do. 23 " " " N. 45° E. 40 " "

Land rolling and rocky. Soil poor.
Grass. Some heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 24 and 25.

Variation $15^{\circ}40'$ East.

Ascending E. -

40.00 Set temporary cor.

80.21 Intersect E. boundary 14 hrs. S. of cor.
to secs. 24 & 25. from which cor. run
S. $89^{\circ}54'W$.On true line between secs. 24 & 25.
var. $15^{\circ}40' E$.40.11 Set a post, marked 4 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stone & chips,
as per instructions for 1/4 sec cor.
from whichA Pine, 28 in. dia. br. S. $22^{\circ}W$. 12 hrs. dist.do. 32 " " " N. $43^{\circ}E$. 93 " "

80.21 Cor. to secs. 23, 24, 25 & 26.

Land ascending E.

Soil poor and stony.

Grass.

Heavy Pine timber.

BOOK 378
 Township 21 North Range 3 East
 Gila & Salt River Meridian.

Chains North, between Sections 23 and 24.

Variation 15°40 East.

- 40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
 A Pine 28 in dia br. West 80 br. dist.
 do. 29 " " " N. 25° E. 92 " "
- 80.00 Set a post, marked and notched, 4 ft long, 3 in sq. d. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 13, 14, 23 and 24 from which
 A Pine 23 in dia br. S. 13° W. 4 br. dist.
 do. 12 " " " N. 30° W. 67 " "
 do. 21 " " " N. 45° E. 51 " "
 do. 20 " " " S. 55° E. 62 " "

Land ascending N.

Poor and stony.

Grass.

Many Pine timber.

Township 21 North Range 3 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 13 and 24.

Variation $15^{\circ}40'$ East.

40.00 Set temporary cor.

80.08 Intersect E. boundary 25 Sec. S. of cor.
to Secs. 13 and 24, from which cor.
run $S. 89^{\circ}49' N.$

Continue line between Secs. 13 & 24.

var. $15^{\circ}40' E.$ 40.04 Set a post, marked 14 S. 4 ft. long,
flattened 3 in wide, 1 ft. in the ground,
and build mound of stones 2 ft.
high, as per instructions for 44
see cor. from whichA Pine 32 in. dia. N. $89^{\circ} N.$ 25 Sec. dist.do 24 " " " N. $81^{\circ} E.$ 52 " "

72.16 A Pine 24 in. dia.

80.08 Cor. to Secs. 13, 14, 23 & 24.

Broken high hills. Soil poor.

Grass. Heavy Pine timber.

Township 21 North BOOK 378 Range 3 East
Gila & Salt River Meridian.

Chains North, between Sections 13 and 14.

Variation 15°40' East.

40.00 Set a post, marked $\frac{1}{4}$ S. 4 ft. long, flat-
 tened 3 in. wide, 1 ft. in the ground,
 and build mound of stones 2 ft
 high, as per instructions for $\frac{1}{4}$ sec.
 cor. from which

A Pine, 25 in. dia. brs. S. 29° W. 51 brs. dist.

do. 27 " " " N. 30° E. 66 " "

50.00 Enter E. end of a little opening brs. NW. $\frac{1}{2}$ S. E.

65.00 Leave same brs. N. W. $\frac{1}{2}$ S. E.

80.00 Set a post, marked and scratched, 4 ft
 long, 3 in. sq. d. 1 ft. in the ground,
 and build mound of stones 2 ft
 high, as per instructions for cor. to Secs.
 11, 12, 13 and 14, from which

A Pine, 36 in. dia. brs. S. 52° E. 51 brs. dist.

do. 29 " " " S. 74° W. 61 " "

do. 28 " " " N. 25° W. 68 " "

do. 30 " " " N. 68° E. 83 " "

Land level then broken.
 Soil poor. Grass.
 Heavy Pine timber.

Township 21 North Range 3 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 12 and 13.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
- 80.18 Intersect E. boundary 23 hrs. S. of
cor. to secs. 12 and 13, from which
cor. drawn
S. $89^{\circ}50'W$.
Continue line between secs. 12 & 13.
var. $15^{\circ}40'E$.
- 40.09 Set a post, marked 14 S. 4 ft long,
flattened 3 in wide, 1 ft in the
ground, and build mound of
stones 2 ft high as per instructions
for 14 sec. cor. from which
a Pine, 14 in. dia. br. N. $40^{\circ}W$. 9 hrs. dist.
do. 12 " " " S. $29^{\circ}E$. 15 " "
- 80.18 Cor. to secs. 11, 12, 13 and 14.

Land level then broken.

Soil poor.

Grass. Heavy Pine timber.

Township 21 North BOOK 378 Range 3 East

Gila & Salt River Meridian.

Chains North, between Sections 11 and 12.

Variation 15°40' East.

40.00 Set post, marked $\frac{1}{4}$ S. 4 ft long
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for $\frac{1}{4}$ sec.
cor. from which

A Pine, 30 in dia. br. S. 54° W. 69 lbs. dist.
do. 36 " " " N. 44° W. 95 " "

80.00 Set post, marked and notched,
4 ft long, 3 in sq. d. 1 ft. in the
ground, and build mound of
stones 2 ft high, as per instructions
for cor. to Secs. 1, 2, 11 and 12,
from which

A Pine, 29 in dia. br. S. 89 $\frac{1}{2}$ ° W. 4 lbs. dist.
do. 30 " " " N. 27° W. 4 $\frac{1}{2}$ " "
do. 24 " " " S. 83° E. 9 " "
do. 25 " " " N. 47° E. 16 " "

Land level.

Soil mostly poor.

Grass.

Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 1 and 12.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
 80.03 Intersect E. boundary 29 hrs. S. of cor.
 to secs. 1 and 12. from which cor.
 Run
 $S. 89^{\circ}48' W.$
 Anticline between secs. 1 & 12.
 var. $15^{\circ}40' E.$
- 40.01 Set a post, marked 44 S. 4 ft. long,
 flattened 3 in. wide, 1 ft. in the ground,
 and build mound of stones 2 ft.
 high, as per instructions for 74 sec.
 cor. from which
 A Pine 24 in. dia. br. N. $58^{\circ} W.$ 67 lbs. dist
 do. 26 " " " N. $13^{\circ} E.$ 118 " "
- 61.17 A Pine 30 in. dia.
 66.36 do 32 " "
 80.03 Cor. to Secs. 1, 2, 11 and 12.

Land rolling and level.
 Soil mostly poor. Grass.
 Heavy Pine timber.

Township

21 North

Range

3 East

Gila & Salt River

Meridian.

Chains

North, on a random line between Sections 1 and 2.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
- 80.12 Intersect N. boundary 20 hrs. E. of
cor. to secs. 1 & 2. from which cor.
Draw
S. $0^{\circ}9' E.$
On true line between secs. 1 & 2.
var. $15^{\circ}40'$
- 40.12 Set a post, marked $74 S. 4$ ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high as per instructions for 74
sec. cor. from which
a Pine, 29 in. dia. br. South, 111 hrs. dist.
do. 30 " " " West, 109 " "
- 80.12 Cor. to secs. 1, 2, 11 and 12.

Sand level.

Soil stony and poor.

Grass.

Heavy Pine timber.

Township 21 North Range 3 East

Gila and Salt River Meridian.

Chains North, between Sections 34 and 35.

Variation 15°40' East.

- 37.00 Leave timber brs. E. Ell., enter extreme W. end of open park brs. E.
 - 37.14 Theoreland road brs. E. Ell.
 - 40.00 Set a post, marked 74 S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pit 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 74 sec. cor. from which
 - A Pine, 32 in. dia. brs. N. 5° E. 106 lbs. dist.
 - do. 30 " " " N. 21° W. 92 " "
 - 41.00 Enter timber brs. E. Ell.
 - 41.35 A Pine, 29 in. dia.
 - 50.88 do. 26 " "
 - 54.39 do. 24 " "
 - 80.00 Set a post, marked & notched, 4 ft long, 3 in. sq. di. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 26-27, 34 and 35, from which
 - A Pine 31 in. dia. brs. S. 40° W. 17 lbs. dist.
 - do. 28 " " " N. 20° W. 91 " "
 - do. 30 " " " N. 9° E. 94 " "
 - do 28 " " " S. 65° E. 92 " "
- Landmann. Soil poor & stony. Grass.
Some heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 26 and 35.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
- 69.00 Leave timber br. N. & S. enter little opening
br. N.
- 79.92 Intersect N. & S. line 10 hrs. N. of cor.
to Secs. 25, 26, 35 & 36. from which
cor. Run
N. $89^{\circ}56'N$.
on true line between Secs. 26 & 35.
var. $15^{\circ}40' E$.
- 39.96 Set a post marked $1/4 S. 4 ft$ long,
flattened $3/4 in$ wide, 1 ft from the ground,
and build mound of stones 2 ft high
as per instructions for $1/4$ sec. cor.
from which
a Pine, 30 in dia. br. N. $48^{\circ} E$. 27 hrs. dist.
do. 20 " " S. $37^{\circ} E$. 100 " "
- 79.92 Cor to Secs. 26, 27, 34 and 35.

Sand slightly rolling,
soil stony and poor.

Grass.

Heavy Pine timber for most part.

BOOK 378 14

Township 21 North Range 3 East

Gela & Salt River Meridian.

Chains North, between Sections 26 and 27.

Variation $15^{\circ}40'$ East.

- 22.00 Enter little opening brs. S.E. & N.W.
- 40.00 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 74 sec. cor. from which
- A Pine, 30 in dia. brs. N. 39° W. 192 lbs. dist.
- do. 20 " " " S. 87° E. 175 " "
- 42.00 Leave little opening, enter timber brs. N.W. & S.E.
- 54.00 Leave timber brs. N.E. & S.W.
- 74.00 Enter timber brs. E. & W.
- 80.00 Set a post, marked & notated, 4 ft long, 3 in sq. d. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 22, 23, 26 and 27, from which
- A Pine, 30 in dia. brs. N. 5° E. 70 lbs. dist.
- do. 24 " " " N. 40° W. 80 " "
- do. 24 " " " S. 52° W. 117 " "
- do. 10 " " " S. 47° E. 75 " "
- Sand mixed. Some good oil.
- Grass. Some Heavy Pine timber.

Township

21 North

Range

3 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 23 and 26.

Variation $15^{\circ}40'$ East.

- 16.00 Leave timber cor. N.E. & S.W., enter N. side of opening.
- 40.00 Set temporary cor.
- 55.00 Leave opening, enter timber cor. S.E. & N.W.
- 79.96 Intersect N. and S. line 15 hrs. N. of cor. to secs. 23, 24, 25 & 26, from which cor. run N. $89^{\circ}53'$ W.
On true line between secs. 23 & 26. var. $15^{\circ}40'$ E.
- 39.98 Set a post, marked 74 S. 4 ft. long, flattened 3 in. wide, 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions for 74 sec. cor.
No trees near.
- 79.96 Cor. to secs. 22, 23, 26, and 27.
Land level. Some good soil then stony. Grass.
Straw Pine timber in places.
-

Township

21 North Range 3 East

Gila & Salt River

Meridian.

Chains

North, between Sections 22 and 23.

Variation

15° 40'

East.

40.00 Set a post, marked 74 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build around a stone 2 ft
high, as per instructions for 74 sec.,
cor. from which

A Pine, 27 in. dia. br., S. 8° E. 148 lns. dist.

do. 29 " " " N. 40° E. 144 " "

80.00 Set a post, marked and notched,
4 ft long. 3 in sq. d. 1 ft in the
ground, and build around a of
stones 2 ft high, as per instruc-
tions for cor. to Secs. 14, 15,
22 and 23. from which:

A Pine, 30 in. dia. br., N. 40° E. 69 lns. dist.

do. 20 " " " N. 57° W. 94 " "

do. 18 " " " S. 71° W. 91 " "

do. 24 " " " S. 43° E. 141 " "

Sand barren. Soil poor.
Heavy Pine timber.

Township

21 North

Range

3 East

Gila & Salt River

Meridian.

Chains

East, on a random line between Sections 14 and 23.

Variation

15°40'

East.

- 40.00 Set temporary cor.
- 50.00 Descending, and enter little opening
brs. S., with scattering timber.
- 59.00 Enter heavy timber again, brs N & S., ascending E.
- 79.84 Intersect N. & S. line of las. S. a few to
secs. 13, 14, 22 and 24, from which
cor. Run
S. 89° 56' W.
On true line between secs. 14 & 23.
var. 15° 40' E.
- 39.92 Set apart, marked 14 S. 4 ft long, flat-
tined 3 in wide, 1 ft in the ground, drive
chained stake and build mound of
earth 2 ft high, with pits 1 ft deep, 2 ft long,
1 ft wide, as per instructions for 74 sec.
cor. from which
A Pine, 24 in dia. brs. S. 50° W. 35 lbs. dist
do. 36 " " " N. 83° E. 85 " "
- 79.84 Cor. to secs. 14, 15, 22 and 23.

Sand murre. Soil most stephens.
Grass. Some heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation 15°40' East.

40.00 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground and build mound of stones 2 ft high, as per instructions for 14 sec. cor. from which

A Pine, 26 in dia. br. S. 13° E. 276 lvs. dist.

do 20 " " " N. 83° W. 364 " "

Timber opens somewhat immediately around cor.

44.21 A Pine 33 in dia.

75.00 Leave timber br. E. & W.

80.00 Set a post, marked and notched, 4 ft long, 3 in sq'd, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 10, 11, 14 & 15. from which

A Pine 29 in dia. br. S. 28° W. 263 lvs. dist.

None near in the other secs.

Level. Poor & stony.

Some heavy Pine timber.

BOOK 378
Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 11 and 14.

Variation $15^{\circ}40'$ East.

The line runs through long arms bearing
E. with scattering timber in places.

40.00 Set temporary cor.

70.00 Enter heavy timber br. N. of W. 45° of E.

79.97 Intersect N. and S. line 11 brs. S. of
cor. to secs. 11, 12, 13 & 14, from
which cor. Inm
 $S. 89^{\circ}55' W.$

On true line between secs. 11 & 14.

var $15^{\circ}40' E$

39.98 Set apart, marked 45° ft. long,
flattened 3 in wide, 1 ft in the ground,
and build around of stones 2 ft.
high, as per instructions for 4^{th} sec.
cor. from which
a Pine 36 in. dia. br. $S. 50^{\circ} E.$ 290 brs. dist.
No other tree near.

49.96 A Pine 36 in. dia.

79.97 Cor. to secs. 10, 11, 14 and 15.

Land level. Soil mostly poor.
Grass. Scattering Pine timber

Township: 21 North BOOK 378 Range 3 East 20
 Gila & Salt River Meridian.

Chains North, between Sections 10 and 11.

Variation 15° 40' East.

- In open ground
- 6.00 Enter timber bro. E. & W.
- 40.00 Set a post marked 4 ft. long, flattened 3 in wide, 1 ft. in the ground, and build mound of stones 2 ft. high, as per instructions for 4th sec. cor. from which
- a Pine, 12 in. dia. bro. S. 38° E. 10 in. dia. do. 2nd " " N. 28° W. 60 " "
- 50.00 Leave timber, bro. E. & W. and enter open park bro. W.
- 61.00 Enter scattering timber bro. E. & W.
- 76.50 Leave scattering timber bro. E. & W., enter open Park, bro. N. & W.
- 80.00 Set a post marked and notched, 4 ft. long, 3 in. sq. d. 1 ft. in the ground and build mound of stones 2 ft. high, as per instructions, for cor. to secs. 2, 3, 10 and 11. Trees near.
- Sand uneven, then level & good. Scattering Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 2 and 11.

Variation $15^{\circ}40'$ East.

In open Park —

39.00 Leave a pin mark, enter timber br. N. W. & S. E.

40.00 Set temporary cor.

79.88 Intersect N. and S. line 24 lvs. N.
after cor. to Secs. 1, 2, 11 and 12. from
which cor. I run
N. $89^{\circ}50' W.$

Between line between Secs. 2 & 11.

var. $15^{\circ}40' E.$ 39.94 Set a post, marked 44 S. 4 ft long,
flattened 3 in. wide, 1 ft in the ground,
and build mound of stones 2 ft
high as per instructions for 74 sec.
cor. from whichA line, 29 in. dia. br. S. $64^{\circ} W.$ 63 lvs. dist.

do. 30 " " " East, 71 " "

79.88 Cor. to Secs. 2, 3, 10 and 11.

Level level.

Some good soil.

Grass.

Heavy Pine timber on E. half.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains North, on a random line between Sections 2 and 3.

Variation $15^{\circ}40'$ East.

40.00 Set temporary cor.

79.91 Intersect N. boundary 12 hrs. E.
of cor. to sec. 2 & B. from which
cor. In run
 $S. 0^{\circ}5' E.$

Outline line between sec. 2 & B.

var. $15^{\circ}40' E.$ 39.91 Set a post marked 44 S. 4 ft. long,
flattened 3 in. wide, 1 ft. in the
ground, drive chaired stake and
build mound of earth 2 ft. high,
with pits 1 ft. deep, 2 ft. long, 1 ft.
wide, as per instructions for 44
Sec. cor.

No trees near.

79.91 Cor. to sec. 2, 3, 10 & 11.

In open park.

Sand level. Soil good. Grass.

No timber.

October 28, 1878.

Township 21 North Range 3 East

Gila & Salt River

Meridian.

Chains

North, between Sections 33 and 34.

Variation 15° 40' East.

- 1.00 Little cañon brs. E.
 9.00 Leave same brs. E.
 40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which
 A Pine, 30 in dia. brs. N. 67° W. 81 hrs. dist.
 do. 12 " " " S. 78° E. 77 " "
- 40.69 The overland road brs. E. & W.
 80.00 Set a post, marked and notched 4 ft long, 3 in sq. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 27, 28, 33 and 34, from which
 A Pine, 24 in dia. brs. S. 53° W. 13 hrs. dist.
 do. 18 " " " S. 45° E. 55 " "
 do. 28 " " " N. 47° E. 77 " "
 do. 22 " " " N. 25° W. 65 " "

Sand broken. Soil stony & poor.
 Gravel. Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 27 and 34.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
- 79.91 Intersect N. and S. line 18 lvs. N. of cor to secs. 26, 27, 34 and 35 from which cor. Drive N. $89^{\circ}52'W$.
Between line between secs. 27 & 34 var. $15^{\circ}40' E$.
- 39.95 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake and build a mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 74 sec. cor. from which
a Pine, 39 in. dia. brs, S. $10^{\circ} E$. 32 lvs. dist.
do. 30 " " N. $58^{\circ} W$. 121 " "
- 79.91 Cor to secs. 27, 28, 33 and 34.

Land broken. Soil poor.

Heavy Pine timber.

Township

21 North

Range

3 East

Gila & Salt River

Meridian.

Chains

North, between Sections 27 and 28.

Variation $15^{\circ}40'$ East.

6.83 A Pine 20 in. dia.

40.00 Set a post, marked '4 S. 4 ft long, flattened 3 in wide, 1 ft. in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep. 2 ft long, 1 ft wide, as per instructions for '4 sec. cor. from which

A Pine, 28 in. dia. brs. N. 24° E. 8 lvs. dist
do. 27 " " " S. 27° E. 19 " "

70.50 Rocky wash, 150 lvs. wide, flows E, with water in places.

72.25 Ascend rocky slope, brs. E. & W.

80.00 On high rocky table brs. E. & W. Set a post, marked & notched, 4 ft long, 3 in. sq. d. 1 ft. in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 21, 22, 27 and 28. from which

A Pine, 30 in. dia. brs. N. 52° E. 45 lvs. dist.
do. 28 " " " N. 63° W. 102 " "
do. 10 " " " S. 48° W. 172 " "
do. 29 " " " S. 28° E. 125 " "

Sand barren. Soil poor & stony.
Heavy Pine timber.

BOOK 378 26
Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 22 and 27.

Variation 15°40' East.

- 40.00 Set temporary cor.
80.04 Intersect N. and S. line 13 lvs N.
after to secs. 22, 23, 26 and 27.
from which cor. Run
N. 89°54' W.
On true line between secs. 22 & 27.
var. 15°40' E.
- 11.52 A Pine 24 in. dia.
19.02 do. 32 " "
40.02 Set a post, marked 14 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for 14 sec.
cor. from which
A Pine, 10 in dia. br., N. 55° E. 5 lvs dist.
do. 10 " " " S. 56° W. 88 " "
- 80.04 Cor. to secs. 21, 22, 27 and 28.

Sand broken.

Soil poor.

Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains North, between Sections 21 and 22. Variation 15°40' East.

40.00 Set a post marked 1/4 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
 A Pine, 12 in. dia. brs, S. 3 1/2° E. 25 lvs. dist.
 do 10 " " " N. 6° E. 82 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sq. d. 1 ft in the ground, drive chaired stake and build mound of earth 2 ft high with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 15, 16, 21 and 22, from which
 A Pine, 23 in. dia. brs, S. 60° W. 55 lvs. dist.
 do. 24 " " " S. 30° E. 78 " "
 do. 24 " " " N. 50° E. 70 " "
 do. 26 " " " N. 16° W. 72 " "

Land rough table.
 Soil poor.
 Heavy Pine timber.

Township 21 North Range 3 East

Gla & Salt River Meridian.

Chains East, on a random line between Sections 15 and 22.

Variation 15° 40' East.

- 40.00 Set temporary cor.
- 80.06 Intersect N. and S. line 1¹/₂ hrs. S. of cor. to secs. 14, 15, 22 and 28. from which cor. In line S. 89° 53' W.
- On true line between secs. 15 & 22. var. 15° 40' E.
- 9.08 A Pine 26 in. dia.
- 40.03 Set a post, marked 74 S. 4 ft. long, flattened 3 in wide, 1 ft in the ground, and build a mound of stones 2 ft high, as per instructions for 74 sec. cor. from which
- A Pine, 20 in dia. br. N. 26° E. 34 hrs. dist
- do. 21 " " " S. 39° W. 30 " "
- 80.06 Cor. to secs. 15, 16, 21 & 22.

Rough table land.
 Soil stony and poor.
 Many Pine timber.

Township 21 North Range 3 East
Gila & Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation 15°40' East.

- 7.27 An Oak, 12 in dia.
 30.00 Ascend E. slope of small mountain
 br. W.
 40.00 Set a post, marked $\frac{1}{4}$ S. of ft long, flat
 tined 3 in wide, 1 ft in the ground, and
 build mound of stones 2 ft high as
 per instructions for $\frac{1}{4}$ sec. cor.
 from which
 a Pine, 36 in dia br. S. 27° W. 32 leaded it
 An Oak, 12 " " " N. 82° E. 33 " "
 And descend from slope.
 65.00 Leave timber br. S. E. & E, enter level
 open park br. N. and E.
 80.00 Set a post, marked and notched,
 4 ft long, 3 in sq. 1 ft in the ground,
 and build mound of stones 2 ft
 high, as per instructions for cor.
 to secs. 9, 10, 15 and 16.

The trees near -

Land broken then level and some
 good soil. Grass.
 Heavy Pine timber then open park.

Township 21 North Range 3 East
Gila & Salt River Meridian.

Chains

East, on a random line between Sections 10 and 15.

Variation $15^{\circ}40'$ East.

In open park

40.00 Set temporary cor.

67.00 Enter point of timber brs. N.

72.00 Leave same, brs. N. and enter opening brs. N.W. & S.E.

79.92 Intersect N. and S. line 26 brs. N. of cor. to secs. 10, 11, 14 and 15, from which cor. Run N. $89^{\circ}49' W.$ Return line between secs. 10 & 15.
var. $15^{\circ}40' E.$ 39.96 Set a post, marked 14 S. 4 ft. long, flattened 3 in wide, 1 ft. in the ground, and build around it stones 2 ft. high, as per instructions for 14 sec. cor.
No trees near.

79.92 Cor. to secs. 9, 10, 15 & 16.

Land level. Some good
Grass.

But little timber.

Township 21 North Range 3 East

Gala & Salt River

Meridian.

Chains North, between Sections 9 and 10.

Variation 15° 40' East.

In open park.

40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor.

Notes near.

65.00 Leave open park, enter timber on E. 1/4.

80.00 Set a post, marked and notched, 4 ft long, 3 in sq d. 1 ft in the ground and build mound of stones 2 ft high, as per instructions for cor. to sec. 3, 4, 9 and 10, from which

- a Pine, 29 in diameter, N. 28° W. 38 lbs. dist.
- do. 27 " " " N. 67° E. 71 " "
- do. 28 " " " S. 75° E. 59 " "
- do. 20 " " " S. 40° W. 181 " "

Land level then ascending N. Some good soil. Grass. Heavy Pine on last end.

BOOK 378

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

East, on a random line between Sections 3 and 10.

Variation 15°40' East.

- 8.00 Leave timber, br. N. & S., enter open prairie, br. N. & S.
- 40.00 Set temporary cor.
- 79.87 Intersect N. & S. line 31 hrs. N. of cor. to secs. 2, 3, 10 and 11, from which cor. I run N. 89°47' W.
- Outline line between secs. 3 & 10.
var. 15°40' E.
- 39.93 Set a post, marked '40', 4 ft. long, flattened 3 in wide, 1 ft. in the ground, driven charred stake & build mound of earth 2 ft. high with pits 1 ft. deep, 2 ft. long, 1 ft. wide, as per instructions for 1/4 sec. cor. No trees near.
- 79.87 Cor. to secs. 3, 4, 9 & 10.
- Land mostly level. Soil good.
Grass.
But little timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains North, on a random line between Sections 3 and 4.

Variation 15°40' East.

- 40.00 Set temporary cor.
- 79.97 Intersect N. boundary of Sec. W. of cor to sec. 3 East, from which cor. I run S. 0° 3' W.
- Outline line between sec. 3 East var. 15°40' E.
- 4.98 A Pine, 12 in. dia.
- 7.67 do. 28 " "
- 39.97 Set a post, marked 44 S-4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 44 sec. cor, from which
- A Pine, 10 in. dia. br. S. 65° E. 42 lbs. dist.
- do. 12 " " " N. 78° W. 64 " "
- 79.97 Cor to sec. 3, 4, 9 and 10.

Land, on high N. base of small mountain br. E. Soil poor.

Grass.

Heavy Pine timber.
October 29, 1878.

Township

21 North Range 3 East

Gila and Salt River Meridian.

Chains

North, between Sections 32 and 33.

Variation

15° 40' East.

- 24.00 Descend into little rocky cañon brs. N.E.
 32.00 Leave same brs. N.E.
 39.90 The overland road brs. N.E. & S.W.
 40.00 The cor. falls in the roadway. Set 30 lks.
 N. for safety. Set a post, marked
 4 ft. long flattened 3 in wide,
 1 ft. in the ground, and build mound
 of stones 2 ft. high, as per instructions
 for 1/4 sec. cor. from which
 a Pine, 23 in dia. brs. N. 71° E. 33 lks. dist.
 do. 18 " " " S. 10° E. 59 " "
 80.00 Set a post, marked and notched,
 4 ft. long 3 in. sq. d. 1 ft. in the ground,
 and build mound of stones 2 ft.
 high, as per instructions for cor. to sec.
 28. 29. 32 & 33. from which
 a Pine, 30 in dia. brs. N. 30° E. 84 lks. dist.
 do. 32 " " " S. 37° E. 17 " "
 do. 12 " " " S. 85° W. 31 " "
 do. 29 " " " N. 83° W. 18 " "

Sand broken rocky and poor.
 Grass in places.
 Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 28 and 33.

Variation 15°40' East.

- 40.00 Set temporary 1/4 sec. cor.
- 80.00 Intersect Mand S. line 16 lns. S. of cor. to Secs. 27, 28, 33 and 34. from which cor. I run S. 89°53' W. true line between Secs. 28 & 33 var. 15°40' E.
- 40.00 Set a post, marked 1/4 S. 4 ft long, flattened 3 in. wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instruction for 1/4 sec. cor. from which
 a Pine, 23 in. dia. br. N. 85° W. 37 lns. dist.
 do. 24 " " " S. 45° E. 29 "
- 71.57 a Pine 12 in. dia.
- 80.00 Cor. to Secs. 28, 29, 32 and 33.

Land broken.
 Soil mostly poor.
 Grass.
 Heavy Pine timber.

Township 21 North Range 3 East

Gila Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation 15°40' East.

15.54 A Pine 12 in. dia.

17.80 do. 28 " "

Ascend.

40.00 Set a post, marked 74 S. 4 ft long, flat-topped 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high as per instructions for 74 sec. cor. from which

An Oak, 14 in. dia. br. N. 32° W. 42 lbs. dist.

A Pine, 30 " " " S. 76° E. 134 " "

80.00 Set a post, marked and notched, 4 ft long, 3 in sq ft, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor to Secs 20, 21, 28 and 29. from which

A Pine, 20 in. dia. br. N. 67° W. 57 lbs. dist.

do. 30 " " " N. 73° E. 83 " "

do. 20 " " " S. 73° E. 127 " "

do. 21 " " " S. 58° W. 82 " "

Sand broken, stony & poor.

Some grass.

Heavy Pine timber, a few oak trees.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 21 and 28.
Variation 15° 40 East.

40.00 Set temporary cor.
68.75 Rocky wash, 100 lns wide to S.E.
79.89 Intersect N. 3/4 Sec 21 lns. S. of cor.
to secs. 21. 22. 27 and 28. from
which cor. Issue.
S. 89° 51' W.

On true line between secs. 21 & 28.
var. 15° 40' E.

39.94 Set a post, marked 44 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft high
as per instructions for 44 sec. cor.
from which
A. Pine, 18 in dia. to S. 30° E. 54 lns. dist.
do. 34 " " N. 5° E. 57 " "

79.89 Cor to Secs. 20. 21. 28 and 29.

Land broken, rough and poor.

Heavy Pine timber.

Township 21 North Range 3 East
 Gila Salt River Meridian.

Chains North, between Sections 20 and 21.

Variation 15°40' East.

40.00 Set a post, marked 44 S. 4 ft long,
 flattened 3 in wide 1 ft in the ground,
 and build mound of stones 2 ft
 high as per instructions for 1/4 sec.
 cor. from which

A Poin. 26 in dia. br. S. 81° W. 41 lbs. dist.

do. 24 " " " N. 75° E. 78 " "

65.00 Rocky wash, 100 lbs wide, br. S. E.

80.00 Set a post, marked and notched,
 4 ft long. 3 in sq. 1 ft in the
 ground, and build mound of
 stones 2 ft high, as per instructions
 for cor. to secs. 16, 17, 20 & 21,
 from which

A Poin. 30 in dia. br. N. 66° E. 124 lbs. dist.

do. 31 " " " S. 62 1/2° E. 81 " "

do. 26 " " " N. 85° W. 59 " "

do. 25 " " " S. 53° W. 108 " "

Sand broken & rocky. Soil poor.
 Some grass. Heavy Pine timber.

Township 21 North Range 3 East

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 16 and 21.

Variation $15^{\circ}40'$ East.

- 12.00 Dry wash, 100 lbs wide, in little cañon, br. S. E.
 40.00 Set temporary cor.
 79.90 Intersect N. & S. line 13 hrs. S. of
 cor. to secs. 15, 16, 21 & 22, from
 which cor. I run
 $S. 89^{\circ}54' W.$
 On true line between secs. 16 & 21,
 var. $15^{\circ}40' E.$
- 32.64 A Pine 27 in dia.
 39.95 Set a post, marked $1/4 S.$ 4 ft. long, flat-
 tened 3 in wide, 1 ft in the ground,
 and build mound of stones 2 ft high
 as per instructions for $1/4$ sec. cor.
 from which
 A Pine, 28 in. dia. br. S. $38^{\circ} W.$ 50 lbs. dict.
 do. 31 " " " N. $28^{\circ} W.$ 70 " "
- 79.90 Cor. to secs. 16, 17, 20 and 21,
 Sand ascending E, then rough table.
 Soil poor. Grass.
 Heavy Pine timber.
-

Township

21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation $15^{\circ}40'$ East.

5.50 Dry wash, in little cañon, 100 lbs. wide, br. S.E.

40.00 Setapost, marked 74 S. 4 ft. long.
flattened 3 in wide, 1 ft. in the
ground, and build mound of
stones 2 ft. high, as per instructions
for 74 sec. cor. from whichA Pine, 25 in. dia. br. N. 76° W. 38 lbs. dist.do. 12 " " " N. 69° E. 56 " "80.00 Setapost, marked & molested, 4 ft.
long. 3 in sq. d. 1 ft. in the ground,
and build mound of stones 2 ft.
high, as per instructions for cor.to secs. 8, 9, 16, & 17, from which
A Pine, 29 in. dia. br. N. 7° W. 68 lbs. dist.do. 30 " " " N. 55° E. 67 " "do. 20 " " " S. 10° E. 33 " "do. 20 " " " S. 19° W. 58 " "

Land broken, soil poor & rocky.

Some grass.

Heavy Pine timber.

41 Township 21 North BOOK 378 Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 9 and 16.

Variation 15°40' East.

According to E. -

22.00 Top of small mountain, brs. N. & S. and descend.

40.00 Set temporary cor.

45.00 Foot of E. slope of the small mountain to the N.

60.00 Leave timber brs. N. W. and S. E. and enter open park, brs. N. & S.

79.86 Intersect N. & S. line 18 lcs. N. of cor. to secs. 9, 10, 15 & 16. from which cor. Duce N. 89° 52' W.

On true line between secs. 9 & 16, var. 15° 40' E.

79.93 Set a post marked 74 S. 4 ft long, flattened 3 in wide, 4 ft in the ground, and built second of stones 2 ft high, as per instructions for 74 Sec. cor. from which

A line 20 in dia brs. S. 54° E. 98 lcs. dist
do. 21 " " " N. 58° W. 67 " "

79.86 Cor. to secs. 8, 9, 16, and 17.

Land broken & mountainous.
Soil poor. Grass.
Heavy Pine timber for most part.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains North, between Sections 8 and 9.

Variation $15^{\circ}40'$ East.

40.00 Set apart, marked $4\frac{1}{2}$ ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 4 sec. cor. from which

A Pine, 10 in diameter, S. 50° E. 10 hrs. dist.

do. 16 " " " N. 74° W. 43 " "

80.00 Set apart, marked and notched, 4 ft long, 3 in sq. 1 ft in the ground, drive charred stake and build mound of earth 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 4, 5, 8 & 9, from which

A Pine 29 in diameter, S. 32° E. 167 hrs. dist.

do. 26 " " " N. 74° E. 118 " "

do. 27 " " " S. 78° W. 60 " "

do. 23 " " " N. 40° W. 146 " "

Sand, across broken slopes of small mountains to the E. & N. & N.W.
Soil poor. Grass.
Heavy Pine timber.

Township 21 North Range 8 East

Gila & Salt River

Meridian.

Chains East, on a random line between Sections 4 and 9.

Variation 15°40' East.

Descending E. —

15.00 Level ground.

40.00 Set temporary cor.

79.94 Intersect N. & S. line 20 lns. S. of
Cor to secs. 3, 4, 9 and 10. from
which cor. I run
S. 89° 51' W.

On true line between secs. 4 & 9.
var. 15°40' E.

39.94 Set a post marked 1/4 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
drill chamed stone and build mound
of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instru-
tions, for 1/4 sec. cor. from which
A Pine, 30 in dia. br, S. 43° E. 69 lns. dist.

do. 31 " " " S. 70° W. 142 " "

42.29 A Pine, 27 in dia.

53.15 do. 28 " "

79.94 Cor to secs. 4, 5, 8 and 9.

Land descending E, then level.
Mostly good soil. Grasses.
Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, on a random line between Sections 4 and 5.

Variation $15^{\circ}40'$ East.

Descending N.

40.00 Level ground. Set temporary cor.

80.11 Intersect N. boundary 14 lns. N. of
cor. to secs. 4 & 5. from which
cor. I run
S. $0^{\circ}6'N$.Outline line between secs. 4 & 5.
var $15^{\circ}40' E$.40.11 Set a post, marked $1/4 S. 4 ft$ long,
flattened 3 in wide, 1 ft in the ground,
driven charred stake and build mound
of earth 2 ft high, with pits 1 ft deep,
2 ft long, 1 ft wide, as per instruc-
tions, for $1/4 sec$ cor. from which
A Pine, 29 in. dia. br. N. $34^{\circ}N$. 110 lns. dist.
do. 40 " " " S. $26^{\circ}E$. 41 " "

80.11 Cor to secs. 4, 5, 8 and 9.

Land broken then level.

Soil mostly poor and stony.

Grass. Heavy Pine timber.

Township

21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, between Sections 31 and 32.

Variation

15° 40'

East.

- 4.46 The overland road br. S. W. E. N. E.
- 40.00 Set a post, marked 14 S. 4 ft. long, flattened 3 in wide, 1 ft. in the ground, drive charred stake and build mound a feather 2 ft high, with pits 1 ft deep 2 ft long, 1 ft wide, as per instructions for 1/4 sec. cor. from which
 A Pine 30 in dia. br. S. 11° W. 40 br. dist
 do 28 " " " N. 75° E. 99 " "
- 49.50 Ascend, br. E. & W.
- 80.00 Set a post, marked and scratched, 2 ft long, 3 in sq. d. 1 ft. in the ground, drive charred stake and build mound a feather 2 ft high, with pits 1 ft deep 2 ft long, 1 ft wide, as per instructions for cor. to Secs. 29, 30, 31 and 32. from which
 A Pine 24 in dia. br. S. 30° W. 55 br. dist
 do 25 " " " S. 21° E. 105 " "
 do 30 " " " N. 77° E. 56 " "
 do 29 " " " N. 67° W. 225 " "
- Cor. on top of high hill.
 Land broken, soil poor, grass.
 Heavy Pine timber.
- October 30, 1878.

BOOK 378 46
Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 29 and 32.

Variation 15°40' East.

40.00 Set temporary cor.

80.05 Intersect N. & S. line of Secs. 28, 29, 32 & 33, from which
cor. drawn

S. 89°56' N.

Outline line between Secs. 29 & 32
var. 15°40' E.

40.02 Set a post, marked 1/4 S. 4 ft. long,
flattened 3 in wide, 1/2 in the ground
and built around a stone 2
ft high as per instructions for 1/4
sec cor. from which

A Pine, 12 in. dia. br. S. 27° E. 71 in. dia.

do. 30 " " " N 40° E. 67 " "

41.26 A Pine 34 in. dia.

80.05 Cor to Secs. 29, 30, 31 and 32.

Land broken. Soil poor.

Grass Heavy Pine timber.

Township

21 North

Range

3 East

Gila Salt River

Meridian.

Chains

West, on a random line between Sections 30 and 31.

Variation $15^{\circ}40'$

East.

Descending W

40.00

Foot of descent and ^{run on} broken ground.
Set temporary cor.

79.89

Intersect W boundary 12 hrs. S. of
cor. to secs. 30 & 31. from which cor.

Dunn

 $S. 89^{\circ}55' E.$ On true line between secs. 30 & 31
var $15^{\circ}40' E.$

27.89

A Pine 23 in. dia.

39.89

Set a post, marked $1/4$ S. 4 ft. long,
flattened 3 in. wide, 1 ft. in the ground,
and build mound of stones 2 ft.
high, as per instructions for $1/4$ sec.
cor. from whichA Pine, 12 in. dia. br. $N. 19^{\circ} W. 71$ hrs. dist.do. 20 " " " $S. 28^{\circ} W. 66$ " "

79.89

Cor. to secs. 29, 30, 31 and 32.

Land broken. Soil mostly poor.
Grass.

Many Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains North, between Sections 29 and 30.

Variation 15°40' East.

Descending N—

15.00 Post of descent, and enter cross ground,

40.00 Set a post, marked 74 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 74 sec. cor. from which

A Pine, 39 in dia. br. N. 72° E. 23 lvs. dist.

do. 18 " " " N. 84° W. 72 " "

53.31 A Pine, 29 in dia.

73.99 do. 12 " "

74.18 do. 20 " "

80.00 Set a post, marked & notched, 4 ft long, 3 in sq'd, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs

19, 20, 29 and 30, from which

A Pine, 25 in dia. br. S. 38° W. 45 lvs. dist.

do. 18 " " " S. 45° E. 63 " "

do. 30 " " " N. 15° W. 108 " "

do. 31 " " " N. 63° E. 188 " "

Sand barren & soil poor. Grass. Heavy Pine timber.

Township 21 North Range 3 East

Gila & Salt River Meridian.

Chains East, on a random line between Sections 20 and 29.

Variation 15°40' East.

12.00 Duprocay gulch, 400 lbs. wide, 60 N.E.

40.00 Set temporary cor.

80.17 Intersect N. and S line 16 lbs N.
refer to secs. 20-21-28 & 29. from
which cor. Issue
N. 89° 53' W.

On true line between secs. 20 & 29.
var. 15°40' E.

40.08 Set a post, marked 74 S-44 flong,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft high,
as per instructions for 74 sec. cor.
from which

A Pine, 29 in. dia. br. S. 45° E. 66 feet
do. 23 " " " N. 21° W. 58 " "

80.17 Conto Secs. 19-20-29 & 30.

Land broken. Soil poor.

Grass. Heavy Pine timber.



Township 21 North Range 3 East

Gula & Salt River Meridian.

Chains

West, on a random line between Sections 19 and 30.

Variation $15^{\circ}40'$ East.

40.00 Set temporary cor.

79.84 Intersect W. boundary 11 lns. N. of
cor. to secs. 19 and 30. from which
cor. I run
N. $89^{\circ}55' E.$ On true line between secs. 19 & 30.
var $15^{\circ}40' E.$ 39.84 Set a post, marked 14 S. 4 ft long,
flattened 3 in wide, 1 ft in the ground,
down charred stake and build a
mound of earth 2 ft high, with
pits 1 ft deep, 2 ft long, 1 ft wide,
as per instructions for 14 sec. cor.
from whichA Pine, 26 in dia. br. S. $40^{\circ} E.$ 38 lns. dist.do. 30 " " " N. $55^{\circ} E.$ 76 " "

79.84 Cor. to Secs. 19, 20, 29 and 30.

Rough high table land W.
Broken E. Soil poor.
Grass.

Heavy Pine timber.

Township

21 North

Range

3 East

Gila & Salt River

Meridian.

Chains

North, between Sections 19 and 20.

Variation

15° 40'

East.

- 40.00 Set apart, marked 448 4 ft long, flattened 3 in wide, 1 ft in the ground, with charred stone and build mound of stone 2 ft high, with pits 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 4 sec. cor. from which
 A Pine, 29 in dia. br. N. 73° E. 5 lbs. dist
 do. 26 " " " S. 36° W. 8 " "
- 46.06 A Pine, 39 in dia.
 54.48 do. 36 " "
- 80.00 Set apart, marked & notched, 4 ft long, 3 in sq. 1 ft in the ground, and build mound of stone 2 ft high as per instructions for cor. to Secs. 17, 18, 19 and 20, from which
 A Pine, 29 in dia. br. N. 76° E. 23 lbs. dist
 do. 28 " " " S. 58° E. 34 " "
 do. 30 " " " S. 63° W. 158 " "
 do. 12 " " " N. 36° W. 96 " "
- Land broken then level. Some good soil. Grass.
 Heavy Pine timber.

Township 21 North Range 3 East

Gila Salt River Meridian.

Chains

East, on a random line between Sections 17 and 20.

Variation $15^{\circ}40'$ East.40.00 Set temporary $\frac{1}{4}$ sec. cor.80.10 Intersect N. and S. line 30 lbs N. of
cor. to secs. 16, 17, 20 & 21, from
which cor. down
N. $89^{\circ}44'$ W.On true line between secs. 17 & 20.
var. $15^{\circ}40'$ E.40.05 Set a post, marked $\frac{1}{4}$ S. of along,
flattened 3 in wide, 1 ft in the ground,
and build mound of stones 2 ft
high, as per instructions for $\frac{1}{4}$ sec.
cor. from which
A Pine, 30 in dia. br. N. 45° E. 73 lbs. dist.
do. 29 " " " S. 81° W. 60 " "

71.73 A Pine, 18 in dia.

75.62 do. 21 " "

75.98 do. 20 " "

80.10 Cor. to secs. 17, 18, 19 & 20.

Sand mueru. Some good
soil. Grass.
Heavy Pine timber.

Township 21 North Range 3 East
 Gila & Salt River Meridian.

Chains West, on a random line between Sections 18 and 19.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary $\frac{1}{4}$ sec. cor.
 79.81 Intersect N. boundary 40 chas. S. of cor. to Secs. 18 and 19, from which cor. I run $S. 89^{\circ}43' E.$
 Put true line between secs. 18 & 19. var. $15^{\circ}40' E.$
 39.81 Set a post marked $\frac{1}{4}$ S. of flong, flattened 3 in wide, 1 ft in the ground, driven chared stake and build mound of earth 2 ft high, with pits 1 ft deep 2 ft long, 1 ft wide, as per instructions, for $\frac{1}{4}$ sec. cor. from which a Pine, 12 in. dia. br. $S. 28^{\circ} W. 35$ ch. ditto
 do. 74 " " " $N. 23^{\circ} E. 94$ " "
- 79.81 Cor. to Secs. 17, 18, 19 and 20.

Land rolling N. level E.

Soil poor

Groes.

Heavy Pine timber.

Township

21 North Range 3 East

Gila & Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation 15°40' East.

- 40.00 Set a post, marked 1/4 S. 4 ft long, flat-topped 3 in wide 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 1/4 sec. cor. from which
 A Pine, 33 in dia. br. S. 79° E. 46 lbs. dist
 do. 32 " " " South, 63 " "
 And leave timber, br. E. & W., enter S.W. cor. of little opening br. E. & N.E.
- 50.00 Leave opening, enter timber br. S.W. & N.E.
- 80.00 Set a post, marked and notched, 4 ft long, 3 in sqd. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to Secs. 7, 8, 17 and 18. from which
 A Pine, 24 in dia. br. S. 71° E. 49 lbs. dist
 do. 27 " " " S. 42° W. 72 " "
 do. 26 " " " N. 25 1/2° W. 84 " "
 do. 23 " " " N. 57° E. 182 " "
- Sand level. Some good soil.
 Fine grass. Heavy Pine timber for most part.

Township 21 North Range 3 East
Gila & Salt River Meridian.

Chains East, on a random line between Sections 8 and 17.

Variation $15^{\circ}40'$ East.

- 40.00 Set temporary cor.
 79.80 Intersect N. & S. line 31 lns. S. of cor.
 to secs. 8, 9, 16, and 17, from
 which cor. I run
 $S. 89^{\circ}47' W.$
 Outline line between secs. 8 & 17.
 var. $15^{\circ}40' E.$
 39.90 Set a post, marked 74 S. 4 ft long,
 flattened 3 in wide, 1 ft in the
 ground, and build around of
 stones 2 ft high, as per instructions
 for 74 sec. cor. from which
 a line, 27 in diameter, $S. 36^{\circ} E.$ 54 lns. dist.
 do. 12 " " " $N. 24^{\circ} W.$ 84 " "
- 79.80 Cor. to secs. 7, 8, 17 and 18.

Land smooth rolling.

Some good soil.

Grass.

Heavy Pine timber.

October 31, 1878.

Township

21 North Range 3 East

Gila & Salt River Meridian.

Chains

West on a random line between Sections 7 and 18.

Variation $15^{\circ}40'$ East.

- 23.00 Leave timber, brs. N. & S., enter open park br. W.
- 40.00 Set temporary cor.
- 63.20 Ranch road brs. S.W. & N.E.
- 78.50 Leave open park, enter timber brs. N.E. & S.W.
- 79.82 Intersect W. boundary 22 chs. N. of cor. to secs. 7 and 18, from which cor. I run
N. $89^{\circ}51' E$.
On true line between secs. 7 & 18,
var. $15^{\circ}40' E$.
- 39.82 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, drive charred stake & build mound of earth 2 ft high with pit 1 ft deep, 2 ft long, 1 ft wide, as per instructions for 14 sec. cor. from which
A Pine, 29 in. dia. br. S. 22° W. 204 chs. dist.
do. 28 " " " S. 72° W. 223 " "
- 79.82 Cor. to Secs. 7, 8, 17 and 18.
Land level, soil some good.
Grass. Some Pine timber.

Township 21 North Range 3 East

Gela & Salt River

Meridian.

Chains

North, between Sections 7 and 8.

Variation 15°40' East.

40.00 Set a post, marked 14 S. 4 ft long, flattened 3 in wide, 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for 14 sec. cor. from which

A Pine, 30 in dia br. S. 85° W. 96 br. dist.

do. 8 " " " N. 50° E. 95 " "

50.00 Ascend broken N. slope of mountain br. E. and N.E.

80.00 Set a post, marked and notched, 4 ft long, 3 in sqd. 1 ft in the ground, and build mound of stones 2 ft high, as per instructions for cor. to secs. 5, 6, 7 and 8. from which

A Pine, 10 in dia br. S. 45° E. 32 br. dist.

do. 12 " " " N. 28° E. 36 " "

do. 11 " " " N. 70° W. 48 " "

do. 20 " " " S. 29° W. 45 " "

Land level then broken. Soil mostly poor. Grass. Heavy Pine timber.

Township

21 North

Range

3 East

Gila Salt River

Meridian.

Chains

~~East, on a random line between Sections 5 and 8.~~

Variation

~~East.~~

The line between secs. 5 & 8, runs over a broken and impracticable mountain and I cannot extend it.

The soil is worthless and the timber scattered and inaccessible on the mountainous parts.

Township 21 North Range 3 East

Gila & Salt River

Meridian.

Chains West, on a random line between Sections 6 and 7.

Variation $15^{\circ}40'$ East.

Descending W.

24.00 Foot of descent.

29.00 Ranch road vis. N. of S.

40.00 Set temporary $1/4$ sec. cor.79.78 Intersect W. boundary 23 lvs. N. of
cor. to secs. 6 & 7. from which
cor. down
N. $89^{\circ}50'$ E.On true line between secs. 6 & 7.
var. $15^{\circ}40'$ E.39.78 Set a post, marked $1/4$ S. $1/4$ fl. long,
flattened 3 in wide, $1/2$ ft in the ground,
and build mound of stones 2 ft
high as per instructions for $1/4$ sec.
cor. from whichA line, 33 in dia. N. 19° E. 28 lvs. dist.
do. 26 " " " S. 22° W. 19 " "

79.78 Cor. to secs. 5, 6, 7 and 8.

Land descending W. then rolling and
level. Soil mostly poor.
Grass. Heavy Pine timber.

Township 21 North Range East
 Gila Salt River Meridian.

Chains

North, on a random line between Sections 5 and 6.

Variation $15^{\circ}40'$ East.

Over the W. slope of mountain bearing E, and
 descending N.

30.00 Level ground.

40.00 Set temporary cor.

56.43 Ranch road to S.W. & N.E.

79.92 Intersect N. boundary 18 dis. W. of cor.
 to Secs. 5 & 6. from which cor. run
 S. $0^{\circ}8'N$.

Outline line between secs. 5 & 6.
 var. $15^{\circ}40' E$.

39.92 Set a post marked 44 S. of flong,
 flattened 3 in wide, 1 ft in the ground,
 and build mound of stones 2 ft high,
 as per instructions for 44 sec. cor.
 from which

A Pine, 21 in. dia. to East 67 dis. dist
 do. 32 " " S. $70^{\circ}N$. 110 " "

79.92 Cor. to secs. 5, 6, 7 and 8.

Land broken then level. Some good
 soil. Grass.

Heavy Pine timber.

November 1. 1878.

GENERAL DESCRIPTION.

In Township 21 N. Range 3 East the surface is generally uneven and stony, and, in the central Northern portion, mountainous.

There are some pretty parks in the township but of small size and I believe destitute of permanent water. The soil in these little parks is rich, in part, and grass grows abundantly, but I should think the soil will not produce without irrigation.

The township is almost solely valuable for its timber. The entire extent except the little parks is covered with a heavy growth of Pine timber of great commercial value.

The land is wholly non-mineral.

The lines were blazed and line trees notched as per instructions.

John L. Harris
U.S. Deputy Surveyor.

List of Names.

BOOK 378

62

A List of the Names of Individuals employed to assist in running, measuring, or marking the lines and corners described in the foregoing Field Notes of the survey of

The Subdivision Lines of
Township 21 N. Range 3
E. of the Gila and Salt
River Meridian

Showing the respective capacities in which they acted.

Richard Shrope Chainman.

N. Van Alstine Chainman,

W. Swastegui }
Franz Carpenter } Axeman.

Am. Amos Kolb Flagman.

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Final Oath of Assistants.

We hereby certify that we assisted John L. Harris U. S. Deputy Surveyor, in

surveying The Subdivision Lines of Township 21 N. Range 3 E. of the Gila and Salt River Meridian

and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully executed, and the boundary monuments planted according to the instructions furnished by the Surveyor-General.

Richard Shryve Chairman.
N. Vase Atkins Chairman.
Frank Carpenter Axeman.
Wm. Amos Kalb Flagman.
D. B. Dodson Poleman.

Sworn to and subscribed before me, this 13th

day of November 1878

John R. Farrell
Notary Public.

Final Oath of Deputy Surveyor.

I, *John L. Harris*

U. S. Deputy Surveyor, do solemnly swear that
 in pursuance of a contract with John Wasson,
 United States Surveyor-General for Arizona, bear-
 ing date the *29th* day of *July*

187*8*. I have well, faithfully and truly, in my
 own proper person, and in strict conformity with
 the instructions furnished by the Surveyor-Gener-
 al, the Surveying Manual, and the laws of the
 United States, surveyed all those portions of

The Subdivision lines of
Township 21 N., Range 3 E.,
of the Gila and Salt River
Meridian

..... as are repre-
 sented in the foregoing Field Notes as having
 been surveyed under my directions; and I do
 further solemnly swear that all the corners of
 said surveys have been established and perpet-
 uated in strict accordance with the Surveying
 Manual and printed instructions, and also in ac-
 cordance with the additional requirements con-

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BOOK 378

tained in circular instructions from the U. S. Surveyor-General for Arizona, dated September 1, 1873, regarding the establishment of corner boundaries of public surveys, and that the foregoing are the true and original Field Notes of such surveys.

John L. Harris
Deputy Surveyor.

Sworn to and subscribed before me, this 13th day of November, 1878

John R. Faneell
Notary Public

U. S. Surveyor General's Office,

TUCSON, ARIZONA, December 30, 1878.

The foregoing Field Notes of the Survey of the
 Subdivision Lines of
 Township 21 North,
 Range 3 East.

Of the Gila and Salt River Base and Meridian, Arizona, execu-
 ted by John L. Harris

Deputy Surveyor, under his contract of the 29th
 day of July, 1878, having been

critically examined and the necessary corrections and explana-
 tions made, the said Field Notes and the surveys they describe
 are hereby approved.

John Mason

Surveyor General.