

Book No. ~~XI~~

Copied

June 25th 84

A. E. Shoemaker, Deputy Surveyor.

T. 20 N, R. 9 E

Gila and Salt River Meridian.

No-353

FIELD NOTES

353

OF

BOOK 353

THE SUBDIVISION LINES OF

Township 20 N, Range 9 E

Gila and Salt River Meridian

BY

A. E. Shoemaker, Deputy Surveyor.

Under his Contract of August 5th 1882.

Survey Commenced October 12th 1883

Survey Completed October 20th 1883

No-353

Platted,
Copied for Washington,
Copied for Register,

Indexed

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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 $\frac{1}{3}$ | 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 |

BOOK 353

A. E. Shoemaker, Deputy Surveyor.

T. *20 N.* **R.** *9 E.*

Gila and Salt River Meridian.

...

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township *20 N.* Range *9 E.*

Gila and Salt River Meridian.

BY

A. E. Shoemaker, Deputy Surveyor.

Under his Contract of *August 5th* 1882.

Survey Commenced *October 12th* 1883.

Survey Completed *October 20th* 1883.

Platted,
Copied for Washington,
Copied for Register,

1A

Township 20 N,

Range 9 E,

BOOK 353

G. E. C. R. Meridian.

| | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|
| 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.

Edward Denny & Co., Stationers & Printers, S. F., Cal.

Copyright Secured,

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Township

20 N,

Range

9 E,

Gila and Salt River Meridian.

(See previous page.)

previously set by me.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set a sand stone $18 \times 12 \times 4$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits

impracticable. from which
A Juniper 12 ins. diam. bears $N. 28^{\circ} E$, 50 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 6 ins. diam. bears $N. 50^{\circ} W$, 60 lks. dist. marked $\frac{1}{4}$ S. B. T.

80.00 Set a sand stone $20 \times 8 \times 8$ ins. 15 ins. in the ground for Cor. to Secs. 25, 26, 35 & 36 marked with 1 notch on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which
A Pine 10 ins. diam. bears $N. 80^{\circ} W$, 39 lks. dist. marked T. 20 N, R. 9 E S., 26 B. T.

A Pine 14 ins. diam. bears $S. 63^{\circ} E$, 28 lks. dist. marked T. 20 N, R. 9 E S., 36 B. T.

A Pine 12 ins. diam. bears $N. 41^{\circ} E$, 53 lks. dist. marked T. 20 N, R. 9 E S., 25 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.

Undergrowth of same.

Township

20 N., Range 9 E.,

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 25 and 36.

Variation $14^{\circ}40'$ East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.42.00 Top of Spur, bears $N. \text{ and } S.$, and descend.80.10 Intersect ~~N. & S. line~~ ^{E. B. of Spur} 9 lks. North of cor. to secs.
previously set by me.
25, 30, 35 & 36 from which corner, I run $N. 89^{\circ}56' W.$ on a true line between sections 25 ^{and} 36.Variation $14^{\circ}40'$ East40.05 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4} S.$ on $N.$ face; from whichA Juniper 8 ins. diam. bears $N. 5^{\circ} W.$, 36 lks. dist.
marked $\frac{1}{4} S. B. T.$ A Juniper 12 ins. diam. bears $S. 15^{\circ} E.$, 57 lks. dist.
marked $\frac{1}{4} S. B. T.$

80.10 The corner to sections 25, 26, 35 and 36.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of Dames

Township

20 N.

Range

9 E.

Gila and Salt River Meridian.

Chains

North, between Sections 25 and 26.

Variation $14^{\circ}40'$ East.

Descend.

25.00 Cross Wash, 150 lks. wide, Course $N. 50^{\circ} E.$ and ascend.40.00 Set a sand stone $18 \times 11 \times 5$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from whichA Juniper 14 ins. diam. bears $N. 22^{\circ} E.$, 86 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 23, 24, 25 and 26 marked T, 20 N, 24, on N, E, R; 9 E, S. 25 on S, E, S, 26 on S, W; and S, 23 on N, W, face with 2 notch ∞ on S, and 1 notch on E, edges, dug pits $18 \times 18 \times 12$ ins. in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post. from whichA Pine 14 ins. diam. bears $N. 40^{\circ} W.$, 53 lks. dist. marked T. 20 N, R. 9 E S., 23 B. T.A Pine 8 ins. diam. bears $S. 7\frac{1}{4}^{\circ} E.$, 42 lks. dist. marked T. 20 N, R. 9 E S., 25 B. T.A Juniper 20 ins. diam. bears $S. 34^{\circ} W.$, 63 lks. dist. marked T. 20 N, R. 9 E S., 26 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.Heavy timber of Pine & Juniper
Undergrowth of oaks.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.42 Intersect E.B. of Tp. 41 lks. North of cor. to secs.
previously set by me.
19, 24, 25 & 30 from which corner, I runN. $89^{\circ}42'W$ on a true line, between sections 24 and 25.Variation $14^{\circ}40'$ East.40.21 Set a Sandstone $20 \times 14 \times 7$ ins., 15
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N
face, and raised a mound of stone alongside. Pits
impracticable. from whichA Pine 8 ins. diam. bears N. $13^{\circ}20'E$, 17 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper 14 ins. diam. bears S. $27^{\circ}W$, 40 lks. dist.
marked $\frac{1}{2}$ S. B. T.

80.42 The corner to sections 23, 24, 25 and 26.

Land rolling.

Soil 2nd & 3rd rateTimber of Pine and Juniper
Vegetation. bunchgrass.

Township 20 N, Range 9 E,
Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation $14^{\circ}40'$ East.

Over rolling land.

40.00 Set a sandstone $20 \times 8 \times 4$ ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits

impracticable. from which
A Juniper 12 ins. diam. bears $N. 28^{\circ} E$, 66 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.00 Set a sandstone $20 \times 12 \times 8$ ins. 15 ins. in the ground for Cor. to Secs. 13, 14, 23 and 24 marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which
A Pine 8 ins. diam. bears $N. 45^{\circ} W$, 13 lks. dist. marked T. 20 N, R. 9 E S., 14 B. T.

A Pine 7 ins. diam. bears $S. 20^{\circ} E$, 14 lks. dist. marked T. 20 N, R. 9 E S., 24 B. T.

A Pine 12 ins. diam. bears $N. 64^{\circ} E$, 23 lks. dist. marked T. 20 N, R. 9 E S., 13 B. T.

No other trees within limits.

Land rolling.

Soil ~~2nd or 3rd~~ rate.

Heavy timber of Pine and Juniper.

Undergrowth of same.

Township

20 N.

Range

9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.23 Intersect E. B. of Tp. 5 lks. South of cor. to secs.
previously set by me.
13, 14, 23 & 24 from which corner, I runS. $89^{\circ}58'W$ on a true line, between sections 13^{and} 24,Variation $14^{\circ}40'$ East.140.11 Set a post 3 ft. long, 3 ins. diam $2\frac{1}{2}$ ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on N. face; from which
A Juniper 10 ins. diam. bears S. $69\frac{1}{2}'W$, 25 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Pine 12 ins. diam. bears N. $85^{\circ}E$, 10 lks. dist.
marked $\frac{1}{2}$ S. B. T.80.23 The corner to sections 13, 14, 23^{and} 24.

Land mountainous

Soil 2nd & 3rd rateTimber of Pine^{and} Juniper.

Vegetation, bunch grass.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains North, between Sections 13 and 14.

Variation $14^{\circ}40'$ East.

Over rolling land.

40.00 Set a sand stone $14 \times 11 \times 9$ ins., 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

from which
A Pine 11 ins. diam. bears N. 30° E, 44 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

60.00 Descend. Bluff bears N. E. and S. W.

80.00 Set a sandstone $16 \times 7 \times 7$ ins. 11 ins. in the ground for Cor. to Secs. 11, 12, 13 and 14, marked with 4 notch on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Juniper 10 ins. diam. bears S. 20° E, 33 lks. dist. marked T. 20 N. R. 9 E S., 13 B. T.

A Juniper 11 ins. diam. bears N. 29° E, 54 lks. dist. marked T. 20 N. R. 9 E S., 12 B. T.

A Juniper 14 ins. diam. S. 15° W, 66 lks. dist. marked T. 20 N, R. 9 E, S. 14 B. T.
No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate

Timber of Pine and Juniper.

Vegetation, bunchgrass.

Township 20 N., Range 9 E.,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Ascend.

24.00 Top of Mesa bears N. E. $42^{\circ}15'$ and descend30.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.87 Intersect E. B. of Tp. 26 lks. South of cor. to secs.
previously set by me.

7, 12, 1878 from which corner, I run

of $19^{\circ}49'W.$ on a true line, between sections 12 and 13.Variation $14^{\circ}40'$ East.39.93 Set a sand stone $16 \times 12 \times 5$ ins., 11
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 15 ins. diam. bears N. $28^{\circ}E.$, 47 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 15 ins. diam. bears S. $17^{\circ}40'W.$, 58 lks. dist.
marked $\frac{1}{4}$ S. B. T.79.87 The corner to sections 11, 12, 13 and 14,
land rolling.Soil 2nd & 3rd rate

Timber of Pine and Juniper.

Vegetation, bunchgrass.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set a sandstone $16 \times 8 \times 6$ ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from which

A Pine 10 ins, diam. bears $U. 27\frac{1}{4}^{\circ} E.$, 86 lbs. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

30.00 Set a sandstone $16 \times 10 \times 6$ ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12, marked with 5 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pit: impracticable. from which

A Pine 20 ins, diam. bears $S. 49\frac{1}{2}^{\circ} W.$, 38 lbs. dist. marked T. 20 N. R. 9 E. S., 11 B. T.

A Pine 22 ins, diam. bears $N. 35^{\circ} W.$, 24 lbs. dist. marked T. 20 N., R. 9 E. S., 2 B. T.
No other trees within limits.

Land rolling.

Soil 2^{nd} or 3^{rd} rate

Timber of Pine and Juniper.

Dense undergrowth of same.

October 12th 1883

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East,

Descend.

34.00 Cross Wash, 50 lks. ^{long} way, Course N.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.79.68 Intersect E. B. of Twp. 13 Nks. ^{South} of cor. to secs.
previously set by me.

1.6. 7512 from which corner, I run

 $68^{\circ}54'W$ on a true line, between sections 1^{and} 12.Variation $14^{\circ}40'$ East.39.84 Set a sandstone 10 x 12 x 8 ins., 11
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable. from whichA Pine 10 ins, diam. bears $5.24^{\circ}E$, 25 lks. dist.marked $\frac{1}{2}$ S. B. T. No other trees within limits.79.68 The corner to sections 1, 2, 11^{and} 12.

Land rolling.

Soil 2nd & 3rd rateTimber of Pine ^{and} Juniper,

Vegetation, bunchgrass.

Township 20 N., Range 9 E.
Gila and Salt River Meridian.

Chains *true.*
North, on a ~~run~~ line between Sections 1 and 2.
Variation 14°40' East.

Ascend.

40.00 A Pine 12 ins, diam. which I marked $\frac{1}{4}$ S.
on W. face, for $\frac{1}{4}$ sec. cor., dug pits, 18 x 18 x 12 ins.

N. and S. of tree, $5\frac{1}{2}$ ft. dist. and raised a mound
of earth around tree.

60.00 Top of Ridge, bears N. E. $\frac{3}{4}$ S. W. and descend.

80.49 Intersect the 5th Standard Parallel North at a
point 15.80 chs. West of the Standard Cor. to
Secs. 35 and 36 T. 21 N., R. 9 E., ^{previously set by me.} at which
point I

Set a sand stone 14 x 10 x 4 ins. 7 ins. in
the ground for Closing Cor. to Secs. 1 and 2
marked C. C. with 1 notch on E. and 5 notches on
W. edges and raised a mound of stone. alongside.

Pits impracticable.

from which

A Pine 18 ins, diam. bears S. 50° W., 40 lks. dist.
marked T. 20 N., R. 9 E. S., 2 B. T.

No other trees within limits.

Land mountainous

Soil 2nd or 3rd rate

Timber of Pine and Juniper

Vegetation, bunchgrass.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

~~From the corner to sections, 2, 3, 34 & 35 previously set by me.~~Chains Run North, between Sections 34 and 35.Variation 14° 40' East.

Descend.

- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
W. face, and raised a mound of stone $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base around post. Pits impracticable.
- 57.00 Cross Wash, 150 lks. wide, Course $N. 40^{\circ} E$ and ascend.
- 80.00 Set a sand stone $16 \times 12 \times 7$ ins. 11 ins. in
the ground for Cor. to Secs. 26, 27, 34 & 35, marked
with 1 notch on S. and 2 notches on E. edges and
raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 2nd & 3rd rateTimber of Pine and Juniper.Vegetation, bunchgrass.

Township 20 N,

Range 9 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 40'$ East.

Descend.

~~Gross Wash, 150 lks. wide, Course and ascend.~~

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

62.80 Gross Wash, 150 lks. wide, course N. 30° E. and ascend.

79.91 Intersect N. & S. line. 23 lks. North of cor. to secs.

25, 26, 35 & 36 from which corner, I run

N. $89^{\circ} 50' W.$ on a true line between sections 26 and 35.

Variation $14^{\circ} 40'$ East

39.95 A Pine 10 ins. diam. which I marked $\frac{1}{2}$ S. on N.

face, for $\frac{1}{2}$ Sec. Cor.; from which

A Pine 10 ins. diam. bears N. $86^{\circ} 10' W.$ 11 lks. dist.
marked $\frac{1}{2}$ S. B. T.

A Juniper 12 ins. diam. bears S. $30^{\circ} E.$ 10 lks. dist.
marked $\frac{1}{2}$ S. B. T.

79.91 The corner to sections 26, 27, 34 and 35.

Land rolling.

Soil 2nd or 3rd rate

Timber of Pine and Juniper.

Dense undergrowth of same.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains North, between Sections 26 and 27.

Variation 14° 40' East.

Ascend.

40.00 Set a sandstone 18 x 10 x 6 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00 Set a post 4 ft. long, 2 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 22, 23, 26 & 27 marked T, 20 N. E. 23, on N, E, R, 9 E, S. 26 on S, E, S, 27 on S. W, and S, 22 on N, W, face with 2 notch ∞ on S, and 2 notches ∞ on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post.

from which

A Pine 10 ins, diam. bears $N. 34\frac{1}{2} W.$, 8 lks. dist. marked T. 20 N, R. 9 E S., 27 B. T.

A Pine 9 ins, diam. bears $N. 45 W.$, 19 lks. dist. marked T. 20 N, R. 9 E S., 22 B. T.

A Juniper 14 ins. diam. bears $N. 37^{\circ} E.$, 30 lks. dist. marked T. 20 N, R. 9 E S., 23 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.
Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

79.72 Intersect N. & S. line, 8 lks. South of cor. to secs.

23, 24, 25 & 26 from which corner, I run

S. 89° $57'$ W. on a true line between sections 23rd & 26.Variation $14^{\circ}40'$ East

39.86 Set a pest 3 ft. long, 3 ins. diam 24 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on N. face; from which
A Juniper 8 ins. diam. bears N. 50 W., 45 lks. dist.
marked $\frac{1}{2}$ S. B. T.

A Juniper 6 ins. diam. bears S. $49^{\circ}10'$ E., 20 lks. dist.
marked $\frac{1}{2}$ S. B. T.

79.72 The corner to sections 22, 23, 26th & 27.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.

Undergrowth of Oams.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation $14^{\circ} 40'$ East.

Over rolling land.

40.00 Set a sandstone $12 \times 12 \times 10$ ins., 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

from which
A Juniper 10 ins. diam. bears $N 50^{\circ} E$, 16 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 24 ins. diam. bears $S. 75^{\circ} W$, 18 lks. dist. marked $\frac{1}{4}$ S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor to Secs. 14, 15, 22 & 23, marked T. 20 N. S. 14, on N. E., R. 9 E, S. 23 on S. E., S. 22 on S. W, and S. 15 on N. W. face, with 3 notches on S. and 2 notches on E. edges; and raised a mound of stone 2 ft. high, $4\frac{1}{2}$ ft. base around post. Pits impracticable.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.
Undergrowth of same.

Township 20 N., Range 9 E.
 Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.05 Intersect N. & S. line, 17 lks. South of cor. to secs.

13, 14, 23 & 24 from which corner, I run

of $89^{\circ}53' W.$ on a true line between sections 14 and 23,

Variation $14^{\circ}40'$ East

40.02 Set a sand stone $24 \times 14 \times 5$ ins., 18

ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N, face, and raised a mound of stone alongside. Pits

impracticable. from which

A Pine 10 ins, diam. bears $N. 75^{\circ} E.$, 28 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Pine 11 ins, diam. bears $N. 40^{\circ} W.$, 14 lks. dist. marked $\frac{1}{4}$ S. B. T.

80.05 The corner to sections 14, 15, 22 and 23.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of same.

I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct.

October 13th 1883.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains North, between Sections 14 and 15.

Variation 14° 40' East.

Descend.

40.00 Set a Sandstone $16 \times 14 \times 7$ ins., //
 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W.
 face, and raised a mound of stone alongside. Pits
 impracticable.

A Pine 14 ins. diam. bears $N. 58^{\circ} W.$, 60 lks. dist.
 marked $\frac{1}{2}$ S. B. T. No other trees within limits.

42.00 Lean Ulex, bears $N. 70^{\circ} E.$ and $S. 70^{\circ} W.$, 90 descend.

80.00 Set a Sandstone $20 \times 8 \times 4$ ins. 15 ins. in
 the ground for Cor. to Secs. 10, 11, 14 & 15, marked
 with 4 notches on S. and 2 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

from which
 A Pine 10 ins. diam. bears $N. 30^{\circ} E.$, 13 lks. dist.
 marked T. 20 N., R. 9 E S., // B. T.

A Pine 14 ins. diam. bears $S. 20^{\circ} W.$, 60 lks. dist.
 marked T. 20 N., R. 9 E S., 15 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.
 Undergrowth of *Cornus*.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

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

Variation $14^{\circ}40'$ East.

Ascend.

28.00 Top of Ridge, bears $N. 40^{\circ} O.$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.96 Intersect N. & S. line. 20 lks. South of cor. to secs.

11, 12, 13 & 14 from which corner, I run

 $S. 87^{\circ} 57' W.$ on a true line between sections 11 and 14.Variation $14^{\circ}40'$ East

39.98 Set a sand stone $20 \times 9 \times 3$ ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Pine 14 ins, diam. bears $N. 25^{\circ} 14' E.$, 92 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

79.96 The corner to sections 10, 11, 14 and 15.

Land mountainous

Soil 2nd & 3rd rate.Heavy timber of Pine and Juniper,
Undergrowth of same.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation $14^{\circ}40'$ East.

Descend.

40.00 A Pine 12 ins, diam. which I marked $\frac{1}{2}$ S.
on W. face for $\frac{1}{2}$ sec. cor., dug pits, 18 x 18 x 12 ins.
N. and S. of tree, $5\frac{1}{2}$ ft. dist. and raised a mound
of earth around tree. from which
A Pine 20 ins, diam. bears $S. 20^{\circ} W.$, 22 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.00 Set a Sand stone $24 \times 12 \times 5$ ins. 18 ins. in
the ground for Cor. to Secs. 2, 3, 10 & 11, marked
with 5 notch ∞ on S. and 2 notch ∞ on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Pine 12 ins, diam. bears $S. 15^{\circ} E.$, 11 lks. dist.
marked T. 20 N., R. 9 E S., 11 B. T.

A Pine 20 ins, diam. bears $N. 49^{\circ} E.$, 22 lks. dist.
marked T. 20 N., R. 9 E S., 2 B. T.

A Pine 19 ins, diam. bears $S. 40^{\circ} W.$, 33 lks. dist.
marked T. 20 N., R. 9 E S., 10 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Heavy timber of Pine and Gambel.

Undergrowth of oaks.

Township 20 N, Range 9 E,
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Ascend.

10.00 Top of Spur, bears $N. 44^{\circ} N.$ and descend.20.00 Cross water course, runs $N.$ and ascend35.00 Top of Ridge, bears $N. 30^{\circ} E.$ & $S. 30^{\circ} W.$ and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

80.09 Intersect N. & S. line. 42 lks. North of cor. to secs.

1, 2, 11 & 12, from which corner, I run

 $N. 89^{\circ} 42' W.$ on a true line between sections 2 and 11.Variation $14^{\circ}40'$ East40.04 Set a sand stone $14 \times 11 \times 5$ ins., 9ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on $N.$

face, and raised a mound of stone alongside. Pits

impracticable. from which

A Pine 12 ins. diam. bears $S. 26^{\circ} E.$, 34 lks. dist.marked $\frac{1}{2}$ S. B. T.A Pine 9 ins. diam. bears $N. 8^{\circ} W.$, 92 lks. dist.marked $\frac{1}{2}$ S. B. T.

80.09 The corner to sections 2, 3, 10 and 11

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.

Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains *true.*
 North, on a ~~random~~ line between Sections 2 and 3.
 Variation 14°40' East.

Descend.

40.00 Set a sand stone 16 x 12 x 5 ins., //
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
 face, and raised a mound of stone alongside. Pits
 impracticable. from which

A Pine 12 ins, diam. bears N. 15° W, 12 lks. dist.
 marked $\frac{1}{4}$ S. B. T. No other trees within limits.
 43.00 Cross Wash, 125 lks. wide, course N. 20° E. descend.
 80.27 Intersect the 5th Standard Parallel North at a
 point 16.47 chs. West of the Standard Cor. to
 previously set by me.
 Secs. 34 and 35 T. 21 N. R. 9 E., at which
 point I

Set a sand stone 20 x 10 x 9 ins. // ins. in
 the ground for Closing Cor. to Secs. 2 and 3
 marked C. C. with 2 notch 20 on E. and 4 notch 20 on
 W. edges and raised a mound of stone. alongside.
 Pits impracticable. from which

A Pine 20 ins, diam. bears $\text{S } 35^{\circ} \text{ W}$, 75 lks. dist.
 marked T. 20 N., R. 9 E. S., 3 B. T.
 No other trees within limits.

Land rolling.
 Soil 3^m rate.
 Heavy timber of Pine ^{and} Juniper.
 Undergrowth of same.

Township 20 N. Range 7 E.

Gila and Salt River Meridian.

From the corner to sections, 3, 4, 33 & 34 previously set by me.

Chains Run North, between Sections 33 and 34.Variation 14° 40' East.

Ascend.

30.00 Top of high point, bears E. ^{and} W. and descend40.00 Set a sand stone 16 x 14 x 5 ins., 11 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 14 ins. diam. bears N. 27 $\frac{1}{2}$ ° E., 91 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

69.00 Cross Wash, 100 lks. wide, Course E. and ascend.

80.00 Set a sand stone 16 x 14 x 9 ins. 11 ins. in the ground for Cor. to Secs. 27, 28, 33 & 34 marked with 1 notch on S. and 3 notch 20 on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 10 ins. diam. bears S. 45 $\frac{1}{2}$ ° E., 43 lks. dist. marked T. 20 N., R. 7 E. S., 34 B. T.

A Juniper 10 ins. diam. bears S. 32° W., 26 lks. dist. marked T. 20 N., R. 7 E. S., 33 B. T.

A Pine 8 ins. diam. bears N. 35° W., 19 lks. dist. marked T. 20 N., R. 7 E. S., 28 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.Heavy timber of Pine ^{and} Juniper.

Undergrowth of same

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

| | |
|--------|---|
| Chains | East, on a random line between Sections 27 and 34. |
| | Variation $14^{\circ}40'$ East. |
| | Descend. |
| 40.00 | Set temporary $\frac{1}{2}$ Sec. Cor. |
| 80.14 | Intersect N. & S. line, 31 lks. South of cor. to secs. 26, 27, 34 and from which corner, I run $S 89^{\circ}47' W.$ on a true line between sections 34 ^{and} 27, Variation $14^{\circ}40'$ East |
| 40.07 | Set a Sandstone 20 x 20 x 12 ins., 15 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which A Juniper 20 ins. diam. bears $N. 35^{\circ} W.$, 50 lks. dist. marked $\frac{1}{2}$ S. B. T. A Pine 10 ins. diam. bears $N. 11^{\circ} E.$, 14 lks. dist. marked $\frac{1}{2}$ S. B. T. |
| 80.14 | The corner to sections 27, 28, 33 ^{and} 34. Land mountainous Soil <u>3rd</u> rate. Heavy timber of Pine ^{and} Juniper. Undergrowth of same. |

October 15th 1893.

Township

20 N.,

Range

9 E.

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation $14^{\circ}40'$ East.

Ascend.

40.00 Set a sand stone $20 \times 12 \times 6$ ins., 15 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

from which

A Juniper 10 ins. diam. bears $S. 64^{\circ}22'$, 8 lks. dist. marked $\frac{1}{2}$ S. B. T.

A Juniper 12 ins. diam. bears $N. 51^{\circ}48'$, 12 lks. dist. marked $\frac{1}{2}$ S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for Cor. to Secs. 21, 22, 27^e & 28, marked T. 20 N. S. 22, on N. E., R. 9 E., S. 27 on S. E., S. 28 on S. W., and S. 21 on N. W. face, with 2 notches on S. and 3 notches on E. edges; and raised a mound of stone 2 ft. high, $4\frac{1}{2}$ ft. base ground post. Pits impracticable.

from which

A Yellow Pine 38 ins diam. bears $N. 38^{\circ}E$, 83 lks. dist. marked T. 20 N., R. 9 E S., 22 B. T.

An Oak 10 ins. diam. bears $S. 22^{\circ}E$, 49 lks. dist. marked T. 20 N., R. 9 E S., 27 B. T.

An Oak 6 ins. diam. bears $S. 7^{\circ}40'$, 10 lks. dist. marked T. 20 N., R. 9 E S., 28 B. T.

No other trees within limits.

Land mountainous

Soil 2nd or 3rd rate.

Heavy timber of Pine, Oak & Juniper.

Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.63 Intersect N. & S. line, 13 lks. South of cor. to secs.

22, 23, 26 and 27 from which corner, I run

 $6^{\circ}59'54''$ W. on a true line between sections 22 and 27Variation $14^{\circ}40'$ East39.81 Set a sandstone $15 \times 9 \times 9$ ins., 10ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 14 ins. diam. bears N. 20° E, 86 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

79.63 The corner to sections 21, 22, 27 and 28.

Land mountainous

Soil 2nd 3rd rate.Heavy timber of Pine and Juniper.Undergrowth of saw.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains North, between Sections 21 and 22.

Variation $14^{\circ}40'$ East.*Over Mesa.*

40.00 Set a post, 8 ft. long, 3 ins. square, 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone around post. Pits impracticable. from which

A White Oak 10 ins. diam. bears $N. 74^{\circ} E.$, 15 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

48.00 Lean Mesa, toward E. & W. *undescend.*

80.00 Set a sand stone $16 \times 10 \times 6$ ins. 11 ins. in the ground for Cor. to Secs. 15, 16, 21^{or} 22, marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pit. impracticable.

from which

A Juniper 24 ins. diam. bears $N. 59^{\circ} W.$, 17 lks. dist. marked T. 20 N, R. 9 E S., 16 B. T.

A Juniper 10 ins. diam. bears $S. 60^{\circ} E.$, 24 lks. dist. marked T. 20 N, R. 9 E S., 22 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate.Heavy timber of Pine ^{and} Juniper.

Undergrowth of same.

Township 20 N., Range 9 E.,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Ascend.

~~Top of _____ bears _____ and descend _____~~40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

65.00 Top of ascent and descend over mesa.

79.87 Intersect N. & S. line. 10 lks. North of cor. to secs.

14, 15, 22 & 23 from which corner, I run

N. $89^{\circ}56'$ W. on a true line between sections 15 and 22.Variation $14^{\circ}40'$ East

39.93 Set a post 3 ft. long, 3 ins. diam. with marked stone

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ S. onN. face, dug pits, 18 x 18 x 12 ins., E. and W. of post $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post. from whicha Juniper 12 ins. diam. bears $S. 30^{\circ} E.$, 80 lks. dist.marked $\frac{1}{2}$ S. B. T. No other trees within limits.

79.87 The corner to sections 15, 16, 21 and 22

Land mountainous

Soil $2\frac{1}{2}$ to 3 m rate.

Heavy timber of Pine and Juniper.

Undergrowth of cane.

Township 20 N., Range 9 E.,
Gila and Salt River Meridian.

Chains North, between Sections 15 and 16.

Variation 14° 40' East.

Descend.

40.00 Set a sandstone 16 x 14 x 8 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

from which
A Juniper 14 ins. diam. bears S. 71° E., 21 lks. dist. marked 1/4 S. B. T.

A Juniper 9 ins. diam. bears N. 20° W., 86 lks. dist. marked 1/4 S. B. T.

80.00 Set a sandstone 19 x 12 x 9 ins. 14 ins. in the ground for Cor. to Secs. 9, 10, 15 & 16, - marked with 4 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 20 ins, diam. bears S. 60° W., 38 lks. dist. marked T. 204, R. 9 E. S., 16 B. T.

A Pine 18 ins, diam. bears N. 10° W., 15 lks. dist. marked T. 204, R. 9 E. S., 10 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.
Undergrowth of same.

Township 20 N., Range 9 E.,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

35.00 Cross stream, courses N. and ascend

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.12 Intersect N. & S. line. 14 lks. South of cor. to secs.

10, 11, 14 & 15, from which corner, I run

S. $89^{\circ}54'$ W. on a true line between sections 10 and 15,Variation $14^{\circ}40'$ East40.06 Set a sand stone $15 \times 8 \times 7$ ins., 10ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

unpracticable.

from which

A Pine 20 ins. diam. bears N. $59^{\circ}10'$ W. 54 lks. dist.marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.12 The corner to sections 9, 10, 15 & 16,

Land rolling.

Soil 2nd & 3rd rate.Heavy timber of Pine ^{and} Juniper.

Undergrowth of oaks.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation $14^{\circ}40'$ East.

Descend.

- 40.00 Set a sand stone $20 \times 12 \times 4$ ins., 15 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from which
- A Yellow Pine 20 ins diam. bears $\odot 60^{\circ}E$, 24 lks. dist. marked $\frac{1}{2}$ S. B. T.
- A Yellow Pine 8 ins diam. bears $\odot 5\frac{1}{2}^{\circ}W$, 70 lks. dist. marked $\frac{1}{2}$ S. B. T.
- 41.50 Cross Wash, 125 lks. wide, Course $N 45^{\circ}E$ and ascend.
- 80.00 Set a sand stone $18 \times 14 \times 9$ ins. 12 ins. in the ground for Cor. to Secs. 3, 4, 9 and 10, marked with 5 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable. from which
- A Pine 18 ins, diam. bears $\odot 57\frac{1}{2}^{\circ}W$, 80 lks. dist. marked T. 20 N, R. 9 E S., 9 B. T.
- A Pine 13 ins, diam. bears $\odot 30^{\circ}E$, 140 lks. dist. marked T. 20 N, R. 9 E S., 10 B. T.
- No other trees within limits.
- Land mountainous
- Soil 2nd class rate.
- Heavy timber of Pine & Juniper.
- Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.42.00 Cross Wash, 125 lks. wide, Course $N.40^{\circ}E$ and ascend.

80.25 Intersect N. & S. line, 30 lks. South of cor. to secs.

2, 3, 10 & 11 from which corner, I run

 $N.59^{\circ}46'W.$ on a true line between sections 3 and 10,Variation $14^{\circ}40'$ East

40.12 Set a sand stone 15 x 11 x 4 ins., 12

ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.

face, and raised a mound of stone alongside. Pits

unpracticable.

from which

A Pine 11 ins. diam. bears $N.38^{\circ}E.$, 165 lks. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

80.25 The corner to sections 3, 4, 9 and 10.

Land mountainous

Soil 2nd & 3rd grade

Timber of Pine and Juniper.

Vegetation, bunchgrass.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains ^{true.}
North, on a random line between Sections 3 and 4.
Variation $14^{\circ}40'$ East.

Over rolling land.

40.00 Set a Sand stone $16 \times 14 \times 8$ ins., 11
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 19 ins. diam. bears $S. 5^{\circ}4' E.$, 27 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A Juniper 8 ins. diam. bears $S. 30^{\circ} W.$, 88 lks. dist.
marked $\frac{1}{4}$ S. B. T.

50.00 Top of Spur, bears $N. 60^{\circ} E.$ & $S. 60^{\circ} W.$ and descend.

80.11 Intersect the 5th Standard Parallel ~~North~~ at a
point 16.20 chs. West of the Standard Cor. to
Secs. 33 and 34 T. 21 N. R. 9 E., ^{previously set by me.} at which
point I

Set a Sand stone $12 \times 6 \times 5$ ins. 8 ins. in
the ground for Closing Cor. to Secs. 3 and 4
marked C. C. with 3 notches on E. and 3 notches on
W. edges and raised a mound of stone. alongside.

Pits impracticable.

from which

A Juniper 20 ins. diam. bears $S. 21^{\circ} E.$, 64 lks. dist.
marked T. 20 N., R. 9 E. S., 3 B. T.

A Pine 6 ins. diam. bears $S. 60^{\circ} W.$ 42 lks. dist.
marked T. 20 N., R. 9 E. S., 4 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.

Undergrowth of same. October 16th 1850.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

From the corner to sections, 4, 5, 32 & 33 previously set by me.
Chains 3rd North, between Sections 32 and 33.

Variation 14° 40' East.

Descend.

40.00 Set a Sand stone 15 x 10 x 6 ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from which

A Juniper 20 ins. diam. bears N. 60° W, 15 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

66.00 Head of Ravine, Course N. 80° E. and ascend

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor to Secs. 28, 29, 32 & 33, marked T. 20 N S. 28, on N, E., R. 9 E, S. 33 on S. E. S. 32 on S. W, and S. 29 on N. W. face, with 1 notch on S. and 4 notch on E. edges; and raised a mound of stone 2 ft. high, 4 $\frac{1}{2}$ ft. base around post. Pits impracticable. from which

A Juniper 24 ins. diam. bears N. 10 $\frac{1}{2}$ ° W, 68 lks. dist. marked T. 20 N, R. 9 E S., 29 B. T.

A Yellow Pine 14 ins diam. bears S. 7 $\frac{1}{2}$ ° E, 141 lks. dist. marked T. 20 N, R. 9 E S., 33 B. T.

A Yellow Pine 14 ins diam. bears S. 80° W, 146 lks. dist. marked T. 20 N, R. 9 E S., 32 B. T.
No other trees within limits.
Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & juniper.

Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation 14040 East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.70 Intersect N. & S. line. 18 lks. North of cor. to secs.

27, 28, 32 & 33, from which corner, I run

 $N. 89^{\circ} 52' W.$ on a true line between sections 28 ^{and} 33.Variation 14040' East39.85 Set a sandstone $14 \times 13 \times 8$ ins., 9ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on N

face, and raised a mound of stone alongside. Pits

impracticable.

from which

1 Juniper 12 ins. diam. bears N. $150^{\circ} 5'$, 60 lks. dist.marked $\frac{1}{2}$ S. B. T.1 Juniper 8 ins. diam. bears S. $20^{\circ} E.$, 40 lks. dist.marked $\frac{1}{2}$ S. B. T.79.70 The corner to sections 28, 29, 32 ^{and} 33,

Land rolling.

Soil 3rd or 4th rate.Heavy timber of Pine ^{and} Juniper.Undergrowth of Dames.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

Chains

North, between Sections 28 and 29.

Variation 14° 40' East.

Ascend.

40.00 Set a sandstone 15 x 12 x 8 ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W face, and raised a mound of stone alongside. Pits

unpracticable. from which

A Yellow Pine 24 ins diam. bears N. 15° W, 189 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.

12 ins. in the ground, for Cor to Secs. 20, 21, 28 & 29,

marked T. 20 N. S. 21, on N. E., R. 9 E, S. 28

on S. E., S. 29 on S. W, and S. 20 on N. W. face,

with 2 notch₂₀ on S. and 4 notch₂₀ on E. edges;

and raised a mound of stone 2 ft. high, 4½ ft. base

ground post. Pits unpracticable. from which

1 Juniper 20 ins. diam. bears S. 52° E, 84 lks. dist.

marked T. 20 N., R. 9 E S., 28 B. T.

2 Juniper 14 ins. diam. bears N. 60° W, 80 lks. dist.

marked T. 20 N., R. 9 E S., 20 B. T.

1 Juniper 24 ins. diam. bears N. 70° E, 53 lks. dist.

marked T. 20 N., R. 9 E S., 21 B. T.

No other trees within limits.

Land mountainous

Soil 2nd, 3rd rate.

heavy timber of Juniper and Pine.

Undergrowth of cane,

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains \times East, on a random line between Sections 21 and 28.
 Variation $14^{\circ} 40'$ East.

Over Mesa.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

79.88 Intersect N. & S. line. 10 lks. South of cor. to secs.
 21, 22, 27-28 from which corner, I run

$S. 89^{\circ} 56' W.$ on a true line between sections 21 and 28.
 Variation $14^{\circ} 40'$ East

39.94 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,
 for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on N. face; from which
 A Yellow Pine 36 ins diam. bears $N. 18^{\circ} E.$ 36 lks. dist.
 marked $\frac{1}{2}$ S. B. T.

A Yellow Pine 25 ins diam. bears $S. 21^{\circ} W.$ 48 lks. dist.
 marked $\frac{1}{2}$ S. B. T.

79.88 The corner to sections 20, 21, 28 and 29.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.
 Undergrowth of same.

Township 20 N., Range 9 E.,
Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation $14^{\circ}40'$ East.

Ascend.

- 40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on
W. face, and raised a mound of stone $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base around post. Pits impracticable. from which
A White Oak 10 ins. diam. bears $N. 7^{\circ}40' E.$, 15 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.
Cor. set on top of ascent, bears $E. \frac{1}{2} W.$, 20° descends.
- 80.00 Set a post 4 ft. long, 4 ins. square, with marked stone
12 ins. in the ground, for Cor. to Secs, 16, 17, 20 and 21,
marked T, 20 N, 16 on N, E, R, 9 E. S. 21
on S, E, S, 20 on S, W, and S, 17 on N, W, face
with 3 notch 20 on S, and 4 notch 20 on E, edges,
dig pits $18 \times 18 \times 12$ ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post. from which
A White Oak 20 ins. diam. bears $S. 55^{\circ} E.$, 187 lks. dist.
marked T. 20 N., R. 9 E S., 21 B. T.
A Juniper 12 ins. diam. bears $N. 38^{\circ} W.$, 160 lks. dist.
marked T. 20 N., R. 9 E S., 17 B. T.
No other trees within limits.
Land mountainous
Soil 2nd + 3rd rate.
Heavy timber of Pine and Juniper.
Undergrowth of same.

Township 20 N, BOOK 353 Range 9 E,
 Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$

East.

Ascend.

- 34.00 Top of Spur, bears $N. 90^{\circ} E.$ and descend.
- 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
- 79.90 Intersect N. & S. line, 26 lks. South of cor. to secs.
 15, 16, 21 & 22 from which corner, I run
 $S. 89^{\circ}49' W.$ on a true line between sections 16 & 21.
 Variation $14^{\circ}40'$ East
- 39.95 Set a Sand stone $20 \times 10 \times 4$ ins., 15
 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
 face, and raised a mound of stone alongside. Pits
 impracticable. from which
 A Pine 18 ins, diam. bears $S. 70^{\circ} W.$, 31 lks. dist.
 marked $\frac{1}{2}$ S. B. T.
- A Pine 12 ins, diam. bears $N. 28^{\circ} E.$, 56 lks. dist.
 marked $\frac{1}{2}$ S. B. T.
- 79.90 The corner to sections 16, 17, 20 and 21.
 Land mountainous
 Soil 2nd or 3rd rate.
 Heavy timber of Pine, Oak and Juniper.
 Undergrowth of same.

Township 20 N., Range 9 E.,
Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation 14°40' East.

Descend.

40.00 Set a Sandstone $20 \times 10 \times 4$ ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 24 ins diam. bears $N. 40^{\circ} E.$, 69 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

54.00 Cross Wash, 60 lks. wide, Course $N 70^{\circ} E$ and ascend.

80.00 Set a Sandstone $18 \times 11 \times 6$ ins. $\frac{1}{2}$ ins. in the ground for Cor. to Secs. 8, 9, 16 and 17 marked with 4 notch es on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Pine 10 ins, diam. bears $S. 53^{\circ} W.$, 27 lks. dist. marked T. 20 N. R. 9 E S., 17 B. T.

A Pine 8 ins, diam. bears $N. 40^{\circ} E.$, 23 lks. dist. marked T. 20 N. R. 9 E S., 9 B. T.

A Pine 12 ins, diam. bears $S. 74^{\circ} W.$, 47 lks. dist. marked T. 20 N. R. 9 E S., 16 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of Sage
I carefully examined the adjustments of my solar compass to-day, particularly the latitude and reversing apparatus, and found them correct. Oct. 17th 1883.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

55.60 Cross Wash, 150 lks. wide, Course N. E. and ascend.

80.30 Intersect N. & S. line, 25 lks. North of cor. to secs.

9, 10, 15 & 16 from which corner, I run

N. $89^{\circ}48'$ W. on a true line between sections 9 and 16.Variation $14^{\circ}40'$ East

40.15 Set a sand stone $16 \times 11 \times 4$ ins., 11
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N,
face, and raised a mound of stone alongside. Pits
unpracticable. from which

A Pine 20 ins, diam. bears S. $39^{\circ}20'$ W, 24 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.30 The corner to sections 8, 9, 16 and 17.

Land mountainous

Soil 2nd or 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of same.

Township 20 N, Range 9 E

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation $14^{\circ}40'$ East.

Ascend.

30.00 Top of Spur, bears $N. 80^{\circ} E. \frac{3}{4} S. 60'$ and descend.40.00 Set a Sandstone $16 \times 7 \times 8$ ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable.from which
A Pine 13 ins, diam. bears $N. 29^{\circ} \frac{1}{2} E.$, 114 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.54.00 Cross Road, bears, $N. 60^{\circ} E.$ and $S. 60^{\circ} W.$ 77.00 Cross stream, course $N. 40^{\circ} E.$ and ascend.80.00 Set a Sandstone $16 \times 12 \times 7$ ins. 11 ins. in the ground for Cor. to Secs. 4, 5, 8 and 9, marked with 3 notch es on S. and 4 notch es on E. edges and raised a mound of stone alongside. Pits impracticable.from which
A Yellow Pine 24 ins diam. bears $N. 25^{\circ} E.$, 184 lks. dist. marked T. 20 N, R. 9 E S., 4 B. T.A Pine 10 ins, diam. bears $S. 27^{\circ} \frac{1}{2} W.$, 96 lks. dist. marked T. 20 N, R. 9 E S., 8 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.

Undergrowth of same.

Township 20 N,

Range 9 E,

Gila and Salt River Meridian.

Chains

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

Variation

14° 40'

East.

Descend.

- 2.00 Cross stream, course N. E. and ascend.
- 25.00 Cross Road, bears, N. E. and S. W. and ascend
- 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
- 50.00 Top of Spur, bears N. E. and S. W. and descend.
- 79.89 Intersect N. & S. line, 12 lks. North of cor. to secs.
3, 4, 9 & 10 from which corner, I run
N. 89° 54' W. on a true line between sections 4 and 9,
Variation 14° 40' East
- 39.94 Set a Sand stone 14 x 12 x 8 ins., 9
ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable. from which
- A Pine 13 ins, diam. bears N. 30° E., 72 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.
- 79.89 The corner to sections 4, 5, 8 and 9.
Land mountainous
Soil 2nd or 3rd rate.
Heavy timber of Pine and Juniper.
Undergrowth of same.

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

| Chains | North, on a ^{true.} radius line between Sections 4 and 5. |
|--------|---|
| | Variation <u>14° 40'</u> East. |
| | Descend. |
| 410.00 | Set a sandstone 16x 12 x 6 ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from which |
| | A Pine 12 ins, diam. bears ϕ . 20° W., 79 lbs. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits. |
| 42.00 | Top of Ridge, bears N. E. $\frac{3}{4}$ S. W. and descend. |
| 79.81 | Intersect the <u>5th</u> Standard Parallel West at a point 16.04 chs. West of the Standard Cor. to Secs. 32 and 33, T. 21 N. R. 9 E., at which point I |
| | Set a sandstone 24 x 18 x 6 ins. 18 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked C. C. with 4 notches on E. and 2 notch ₂₀ on W. edges and raised a mound of stone. alongside. Pits impracticable. from which |
| | A Pine 20 ins, diam. bears ϕ . 45° W., 64 lbs. dist. marked T. 20 N., R. 9 E. S., 3 B. T. |
| | A Pine 21 ins, diam. bears ϕ . 25° E., 45 lbs. dist. marked T. 20 N., R. 9 E. S., 4 B. T. |
| | No other trees within limits. |
| | Land mountainous |
| | Soil <u>2nd</u> <u>53rd</u> rate |
| | Timber of Pine and Juniper |
| | Dense undergrowth of oaks |

Township

20 N,

Range

9 E,

Gila and Salt River Meridian.

Chains

From the Cor to Secs 5-6. S1, S2, on S. 1/2 of 1/4 Sec. 1
 North, between Sections 31 and 32. Previously set by me

Variation

14° 40'

East.

Over rolling land.

40.00

Set a Sand stone 16 x 9 x 6 ins., 11
 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 on W.
 face, and raised a mound of stone alongside. Pits
 impracticable.

from which
 A Yellow Pine 20 ins diam. bears N. 79 1/2° E, 144 lks. dist.
 marked 1/2 S. B. T. No other trees within limits.

80.00

Set a Sand stone 16 x 13 x 5 ins. 11 ins. in
 the ground for Cor. to Secs. 29, 30, 31 & 32 marked
 with 1 notch on S. and 5 notches on E. edges and
 raised a mound of stone alongside. Pits impracticable.

from which
 A Juniper 20 ins. diam. bears N. 69° W, 94 lks. dist.
 marked T. 20 N, R. 9 E S., 30 B. T.

A Juniper 19 ins. diam. bears S. 44 1/2° E, 85 lks. dist.
 marked T. 20 N, R. 9 E S., 32 B. T.

A Juniper 18 ins. diam. bears N. 20° E, 84 lks. dist.
 marked T. 20 N, R. 9 E S., 29 B. T.

No other trees within limits.

Land rolling.

Soil 2nd & 3rd rate.

Heavy timber of Pine & Juniper.
 Undergrowth of same.

Township 20 N, Range 9 E,

Gila and Salt River Meridian.

| | |
|--------|--|
| Chains | East, on a random line between Sections 29 and 32. |
| | Variation $14^{\circ} 40'$ East. |
| | Over rolling land. |
| 40.00 | Set temporary $\frac{1}{4}$ Sec. Cor. |
| 79.85 | Intersect N. & S. line. 7 lks. N ^W of cor. to secs. 28, 29, 32 & 33, from which corner, I run N. $89^{\circ} 57' W.$ on a true line between sections 29 & 32, Variation $14^{\circ} 40'$ East |
| 39.92 | Set a sandstone $15 \times 12 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which |
| | A Yellow Pine 38 ins diam. bears N. $29^{\circ} W.$, 2 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits. |
| 79.85 | The corner to sections 29, 30, 31 & 32. Land rolling. Soil 2^{nd} rate Timber of Pine & Juniper Vegetation, bunchgrass. |

Township 20 N. Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 40'$ East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.78.69 In erect W. B. of Tp. 58 Nks. North of cor. to secs.
previously set by me.
25, 30, 31 ^{and} 36, from which corner, I run $N. 89^{\circ} 35' E.$ on a true line, between sections 30 ^{and} 31.Variation $14^{\circ} 40'$ East.38.69 Set a sandstone $20 \times 10 \times 4$ ins., 15
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
face, and raised a mound of stone alongside. Pits
impracticable. from whichA Yellow Pine 24 ins diam. bears $S. 10 \frac{1}{2} W.$, 150 lks. dist.
marked $\frac{1}{4}$ S. B. T. No other trees within limits.78.69 The corner to sections 29, 30, 31 ^{and} 32.

Land rolling.

Soil 2nd class rate.Heavy timber of Pine ^{and} Juniper.
Undergrowth of same.

Township 20 N., Range 9 E.

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation $140^{\circ}40'$ East.

Descend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
W. face, and raised a mound of stone $1\frac{1}{2}$ ft. high,
 $5\frac{1}{2}$ ft. base around post. Pits impracticable.
from which
A Juniper 12 ins. diam. bears $N. 71^{\circ}0' E.$, 27 lks. dist.
marked $\frac{1}{4}$ S. B. T. No other trees within limits.

55.00 Cross Road, bears, $N. E. \text{ and } S. W.$

76.00 Lean Mesa, bears $E. \text{ and } W. \text{ and } S. \text{ and } N.$

80.00 Set a sand stone $15 \times 12 \times 6$ ins. 10 ins. in
the ground for Cor. to Secs. 19, 20, 29 ~~and~~ 30, marked
with 2 notch ∞ on S. and 5 notch ∞ on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 20 ins diam. bears $N. 61^{\circ}0' W.$, 28 lks. dist.
marked T. 20 N. R. 9 E S., 19 B. T.

A White Oak 10 ins. diam. bears $S. 40^{\circ}0' W.$, 70 lks. dist.
marked T. 20 N. R. 9 E S., 30 B. T.

No other trees within limits.

Land mountainous

Soil 2nd + 3rd rate.Heavy timber of Pine, Oak ~~and~~ Juniper.

Undergrowth of same.

October 18th 1883.

Township

20

Range

9 E.

Gila and Salt River

Meridian.

Chains

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

Variation $14^{\circ}40'$

East.

Ascend.

7.70 Top of rocky point, bears N and S . and descend over W side.25.00 Cross Road, bears, N and S .40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.14 Intersect N . & S . line, 46 lks. North of cor. to secs.

20, 21, 28 & 29 from which corner, I run

 $N. 89^{\circ}40' W.$ on a true line between sections 20 and 29.Variation $14^{\circ}40'$ East40.07 Set a sand stone $16 \times 9 \times 5$ ins., 11ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on N .

face, and raised a mound of stone alongside. Pits

unpracticable.

from which

A Juniper 14 ins. diam. bears $N. 69^{\circ}10' E.$, 38 lks. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

80.14 The corner to sections 19, 20, 29 and 30.

Land mountainous

Soil 2nd 5th rate.

Heavy timber of Pine and Juniper.

Undergrowth of same.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

| Chains | West, on a random line between Sections 19 and 30. | Variation $14^{\circ}40'$ East. |
|--------|--|---------------------------------|
| | Descend. | |
| 40.00 | Set temporary $\frac{1}{4}$ Sec. Cor. | |
| 25.50 | Cross Wash, 20 lks. wide, Course U-E. and ascend. | |
| 45.00 | Top of Mesa, bears U. and S. and descend | |
| 78.28 | Intersect W.B. of Tp. 19 lks. North of cor. to secs. previously described. | |
| | 19, 24, 25 & 30 from which corner, I run | |
| | N. $89^{\circ}52'E$ on a true line, between sections 19 ^{and} 30. | |
| | Variation $14^{\circ}40'$ East. | |
| 38.28 | An Oak 10 ins. diam. which I marked $\frac{1}{4}$ S. | |
| | on N. face, for $\frac{1}{4}$ sec. cor., dug pits, 18 x 18 x 12 ins. | |
| | E and W. of tree, $5\frac{1}{2}$ ft. dist. and raised a mound of earth around tree. from which | |
| | A Juniper 12 ins. diam. bears N. $30\frac{1}{2}^{\circ}E$, 86 lks. dist. | |
| | marked $\frac{1}{4}$ S. B. T. No other trees within limits. | |
| 78.28 | The corner to sections 19, 20, 29 ^{and} 30. | |
| | Land mountainous | |
| | Soil ^{2nd} 2nd ^{rate} . | |
| | Heavy timber of Pine, Oak ^{and} Juniper | |
| | Undergrowth of same. | |

Township

20 N.

Range

9 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation $14^{\circ}40'$ East.

Descend.

17.00 Cross Wash, 20 lks. wide, Course N.E. and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on
W. face, and raised a mound of stone $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base around post. Pits impracticable.

from which

A Juniper 12 ins. diam. bears N. $70^{\circ}E$, 18 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

Cor. set on

Top of Spur, bears N. $30^{\circ}E$. S. $30^{\circ}W$ and descend.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone

12 ins. in the ground, for Cor. to Secs. 17, 18, 19 & 20,
marked T, 20 N. S. 17, on N. E. R, 9 E. S. 20
on S. E. S, 19 on S. W, and S, 18 on N. W, face
with 3 notch ∞ on S, and 5 notch ∞ on E, edges,
aug. pits 18 x 18 x 12 ins, in each Sec., $5\frac{1}{2}$ ft. dist.,
and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base
around post.

from which

An Oak 12 ins. diam. bears N. $79\frac{1}{2}^{\circ}W$, 31 lks. dist.
marked T. 20 N. R. 9 E S., 18 B. T.A Yellow Pine 30 ins diam. bears S. $76\frac{1}{2}^{\circ}E$, 77 lks. dist.
marked T. 20 N. R. 9 E S., 20 B. T.A Yellow Pine 40 ins diam. bears S. $60^{\circ}W$, 12 lks. dist.
marked T. 20 N. R. 9 E S., 19 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Heavy timber of Pine, Oak and Juniper.

Undergrowth of same.

Township 20 N., Range 9 E.,

Gila and Salt River Meridian.

Chains East, on a random line between Sections 17 and 20.
Variation 14° 40' East.

Ascend.

16.25 Top of Spur, bears U. E. ^{and} S. W. and descend.

39.50 Cross Road, bears N. 10° E. ^{and} S. 10° W. in Wash. 60 ft. wide.

40.00 Set temporary 1/4 Sec. Cor.

79.69 Intersect N. & S. line, 35 lks. North of cor. to secs.

16, 17, 20 & 21, from which corner, I run

N. 89° 45' W. on a true line between sections 17 ^{and} 20.

Variation 14° 40' East

39.84 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on

N. face, and raised a mound of stone 1 1/2 ft. high,

3 1/2 ft. base around post. Pits impracticable.

from which

A Yellow Pine 40 ins diam. bears S. 40° W., 25 lks. dist.

marked 1/4 S. B. T.

No other trees within limits.

79.69 The corner to sections 17, 18, 19 ^{and} 20.

Land mountainous

Soil 3rd rate.

Heavy timber of Pine ^{and} Juniper.

Undergrowth of ~~saw~~

Township

20 N,

Range

9 E,

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$

East.

Descend.

18.00 Head of Ravine, Course N.E. and ascend

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.56.00 Top of Ridge, bears N. 30° E. $\frac{1}{2}$ S. 30° and descend.78.16 intersect W. B. of Tp. 6 lks. S. of cor. to secs,
previously described.

13, 18, 19 & 24, from which corner, I run

S. $89^{\circ}57'$ E. on a true line, between sections 18 and 19.Variation $14^{\circ}40'$ East.

38.16 Set a post 3 ft. long, 3 ins. diam. with marked stone.

12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. onN. face, and raised a mound of stone $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post. Pits impracticable.

from which

a Juniper 20 ins. diam. bears S. 30° E., 14 lks. dist.marked $\frac{1}{2}$ S. B. T. No other trees within limits.

78.16 The corner to sections 17, 18, 19 and 20.

Land mountainous

Soil 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of same.

Township

20 N.,

Range

9 E.,

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation $14^{\circ}40'$ East.

Descend.

18.00 Cross Wash, 20 fks. wide, Course $N. 52^{\circ} E.$ and ascend.40.00 Set a Sandstone $16 \times 9 \times 5$ ins., //ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Juniper 12 ins. diam. bears $S. 77^{\circ} W.$, 14 fks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.30.00 Set a Sandstone $20 \times 10 \times 4$ ins. 15 ins. in

the ground for Cor. to Secs. 7, 8, 17, 18, marked

with $\frac{1}{4}$ notch 20 on S. and $\frac{1}{4}$ notch 20 on E. edges and

raised a mound of stone alongside. Pits impracticable.

from which

A Juniper 24 ins. diam. bears $N. 15^{\circ} 40' E.$, 47 fks. dist.

marked T. 20 N., R. 9 E. S., 8 B. T.

A Juniper 12 ins. diam. bears $S. 70^{\circ} E.$, 21 fks. dist.

marked T. 20 N., R. 9 E. S., 17 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate

Timber of Pine and Juniper.

Vegetation, bunchgrasses.

Township 20 N, Range 7 E,
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Descend.

33.00 Cross Road, bears *N. and S.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.86 Intersect N. & S. line, 12 lks. North of cor. to secs.

8, 9, 16-17 from which corner, I run

*N. $89^{\circ}55'W.$ on a true line between sections 8 and 17*Variation $14^{\circ}40'$ East

39.93 Set a sand stone $15 \times 10 \times 7$ ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on *N.*
face, and raised a mound of stone alongside. Pits
impracticable. from which

A Pine 12 ins, diam. bears *S. $60^{\circ}45'$* , 37 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A Pine 10 ins, diam. bears *N. $5^{\circ}45'$* , 26 lks. dist.
marked $\frac{1}{4}$ S. B. T.

79.86 The corner to sections 7, 8, 17 and 18,

Land mountainous

Soil *3 m* rate

Timber of Pine and Juniper.

Vegetation, bunchgrass.

I carefully examined the adjustments of my solar
compass to-day, particularly the latitude and revers-
ing apparatus, and found them correct.

October 19th 1880.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains

West, on a random line between Sections 7 and 18.

Variation $14^{\circ}40'$ East.

Ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.50.00 Top of Ridge, bears $N. 30^{\circ} E. 50.30 W$ and descend.78.24 Intersect W. B. of Tp. 22 N. s. ~~North~~ of cor. to secs.
previously described.

7, 12, 13 & 18 from which corner, I run

 $N. 89^{\circ} 51' E.$ on a true line, between sections 7 and 18,Variation $14^{\circ}40'$ East.38.24 Set a sand stone $15 \times 9 \times 8$ ins., 10ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.

face, and raised a mound of stone alongside. Pits

impracticable.

from which

An Oak 8 ins. diam. bears $N. 60^{\circ} E.$, 29 lks. dist.marked $\frac{1}{4}$ S. B. T.A Juniper 12 ins. diam. bears $S. 27^{\circ} W.$, 86 lks. dist.marked $\frac{1}{4}$ S. B. T.

78.24 The corner to sections 7, 8, 17 and 18,

Land mountainous

Soil 3rd rate.

Heavy timber of Pine and Juniper.

Undergrowth of Carve.

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation $14^{\circ}40'$ East.*Ascend.*27.00 Top of Ridge, bears $N. 50^{\circ} E. 50$ rods and descend.

40.00 Set a sandstone $15 \times 11 \times 7$ ins., 10
ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W.
face, and raised a mound of stone alongside. Pits
impracticable. from which

A Juniper 20 ins. diam. bears $N. 55^{\circ} W. 57$ lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.00 Set a sandstone $16 \times 14 \times 5$ ins. 11 ins. in
the ground for Cor. to Secs. 5, 6, 7 and 8, marked
with 5 notches on S. and 5 notches on E. edges and
raised a mound of stone alongside. Pits impracticable.

A Yellow Pine 19 ins diam. bears $S. 45^{\circ} E. 105$ lks. dist.
marked T. 20 N., R. 9 E S., 8 B. T. from which

A Yellow Pine 20 ins diam. bears $S. 20^{\circ} W. 114$ lks. dist.
marked T. 20 N., R. 9 E S., 7 B. T.

A Yellow Pine 40 ins diam. bears $N. 15^{\circ} E. 23$ lks. dist.
marked T. 20 N., R. 9 E S., 5 B. T.

No other trees within limits.

Land mountainous

Soil *2nd & 3rd rate.*Heavy timber of Pine *and* Juniper.

Undergrowth of same.

Township 20 N., Range 9 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ}40'$ East.

Ascend.

20.00 Top of Ridge, bears $N. 20^{\circ} E. \frac{2}{3}$ S. $20'$ and descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

80.15 Intersect N. & S. line. 28 lks. North of cor. to secs.

4, 5, & 7 from which corner, I run

$N. 89^{\circ}48' W.$ on a true line between sections 5 and 8.

Variation $14^{\circ}40'$ East

40.07 Set a Sand stone $18 \times 12 \times 8$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 40 ins diam. bears $S. 34^{\circ}16' W.$, 43 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.15 The corner to sections 5, 6, 7 and 8.

Land mountainous

Soil Quartzite

Timber of Pine and Juniper.

Vegetation, brush and grass

Township 20 N. Range 9 E.
Gila and Salt River Meridian.

- Chains West, on a random line between Sections 6 and 7.
Variation $14^{\circ}40'$ East.
- Descend.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 52.00 Cross Wash, 60 lks. wide, Course N. and ascend.
- 77.82 Intersect W. B. of Tr. 57 lks. N. of cor. to secs. previously described.
1.6. 7512 from which corner, I run
N. $89^{\circ}39'E$ on a true line, between sections 6 and 7.
Variation $14^{\circ}40'$ East.
- 87.82 Set a sand stone $16 \times 13 \times 7$ ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits impracticable. from which
- A Yellow Pine 15 ins diam. bears N. $10^{\circ}W$, 27 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.
- 77.82 The corner to sections 5, 6, 7 & 8.
Lands rolling.
Soil 2nd rate
Timber of Pine and Juniper,
Vegetation, bumegrass.

Township

20 N.

Range

9 E.

Gila and Salt River Meridian.

Chains

North, on a ^{true} random line between Sections 5 and 6.Variation $14^{\circ}40'$ East.

Ascend.

40.00 Set a sandstone $10 \times 9 \times 7$ ins., 11 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable. from which

A Yellow Pine 15 ins diam. bears $S. 15^{\circ}14' E.$, 29 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

50.00 Top of Spur, bears N. W. and S. E. and descend.

79.20 Intersect the ⁵⁰⁰ Standard Parallel ~~North~~ at a point 16.26 chs. West of the Standard Cor. to Secs. 31 and 32 T. 21 N., R. 9 E., at which point I

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{blowing} Cor. to Secs. 5 and 6 marked C. C.

T. 20 N. R. 9 E., on S. 5 on E and S. 6 on W. faces, with 5 notches on E and 1 notch

on W. faces, dug pits $18 \times 18 \times 12$ ins. S. E. of post, $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high, $4\frac{1}{2}$ ft. base around post. from which

A Pine 20 ins. diam. bears $S. 5^{\circ} E.$, 14 lks. dist. marked T. 20 N., R. 9 E. S., 5 B. T.

No other trees within limits.
Land mountainous.

Soil 2nd & 3rd rate

Timber of Pine ^{and} Juniper.

Vegetation, bunchgrass. Oct. 20th 1882

GENERAL DESCRIPTION.

The land in this township consists of low ranges of mountains, except a rolling mesa, which extends through the southern central part, from S. W. to N. E.

The soil is 2nd and 3rd rate and generally of sandstone formation.

The township is watered by several small streams, which flow through it in a general northeasterly direction.

Pine and juniper timber is found in all parts of the township.

The vegetation consists of bunchgrass.

A road crosses the western part of the township.

For final oaths see book No. 13,

GENERAL DRAFT

[The page contains faint, illegible text and a large, light-colored smudge or stain that obscures most of the content.]

BOOK 353

BOOK 353

U. S. Surveyor General's Office,

Tucson, Arizona, July 26, 1884

The foregoing Field Notes of the Survey of the

Subdivision lines of
Township 20 North
Range 9 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by A. C. Shoemaker

Deputy Surveyor, under his contract of the 5th day of August, 1882, having been

critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved

Royal A. Johnson
Surveyor General.