

~~BOOK~~ No. 496

BOOK 496

E. Shoemaker Deputy Surveyor.

T. *24* N. R. *7* E.

Gila and Salt River Meridian.

FIELD NOTES

OF

No. 496

THE SUBDIVISION LINES OF

Township *24* N. Range *7* E.

Gila and Salt River Meridian

BY

E. Shoemaker Deputy Surveyor.

Under his Contract of *August 5th 1882*

Survey Commenced *September 1st 1883*

Survey Completed *November 9th 1883*

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BOOK 496

No. 496

1

A. E. Shoemaker Deputy Surveyor.

T. 24 N. R. 7 E.

Gila and Salt River Meridian.

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 24 N. Range 7 E.

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Township 24 North Range 7 East

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1 15

Township

24 N.

Range

7 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, ¹ run North, between Sections 35 and 36.

Variation

11° 45'

East.

Descend.

65.40

Cross Wash, 30 lks. wide, Course N. & W. and ascend.

46.00

Set a limestone stone 14 x 12 x 6 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.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 25, 26, 35, 36 marked T. 24 N. S. 25, on N. E., R. 7 E., S. 36 on S. E., S. 35 on S. W., and S. 26 on N. W. face, with | notch on S. and | notch 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 3rd rate

Timber of pine & juniper.

Vegetation. grass.

Township

24

Range

7

E

Gila and Salt River Meridian.

Chains

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

Variation

11° 45'

East.

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

79.94 Intersect E. B. of Tp. 24 N. of cor. to secs. previously set by me.

15.36.31 from which corner, I run

N. 89° 40' W. on a true line, between sections 25 & 36

Variation 11° 45' East.

39.97

Set a sand stone 14 x 10 x 4 ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, and raised a mound of stone alongside. Pits

impracticable. from which

a Juniper 20 ins. diam. bears S. 12° E. 3 lks. dist.

marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

79.94

The corner to sections 20, 26, 30, 36

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E
 Gila and Salt River Meridian.

Chains North, between Sections 25 and 26.

Variation 14° 45' East.

Descend.

3.40 Cross Wash, 15 fks. wide, Course N 70° E and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{4}$ S. on
 W. face, dug pits, 18 x 18 x 12 ins., N. and S. 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.

ON Top of Ridge, bears S. 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. 23, 24, 25, 26
 marked T. 24 N. S. 24, on N, E, R, 7 E, S. 25
 on S, E, S, 20 on S, W, and S, 23 on N, W, face
 with 2 notches on S, and 1 notch 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. 50° E. 67 fks. dist.
 marked T. 24 N. R. 7 E. S. 24 B. T.

2 Juniper 12 ins. diam. bears S. 10° W. 30 fks. dist.
 marked T. 24 N. R. 7 E. S. 25 B. T.

No other trees within limits.

Land mountainous.

Soil S^o rate

Timber of pine & juniper

Vegetation. grass.

Township

24

N

Range

7

E

No. 496

Gila and Salt River

Meridian.

Chains

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

Variation

14° 45'

East.

Descend. gradually along N slope of ridge.

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

51.00 Cross wash, 700 yds. wide. Course N. E.

80.17 Intersect E. B. of Tp. 7 N. S. of cor. to secs.
previously set by me.

19. 24. 25 & 30 from which corner, I run

189° 57' W. on a true line, between sections 24 & 25

Variation

14° 45'

East.

40.08 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

N. 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.

80.17 The corner to sections 23. 24. 25 & 26

Land mountainous

Soil 3rd rate

Timber of yucca & juniper

Vegetation. grass.

Township 24 N. Range 7 E.
 Gila and Salt River Meridian.

Chains

North, between Sections 23 and 24.

Variation 14° 45' East.

Descend.

24.00 Cross Wash, 40 lks. wide, Course E. and ascend.

40.00 Set a Sand stone 14 x 10 x 3 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.

67.10 Cross Road, bears, N. 30° E. & S. 30° W.

80.00 Set a Sand stone 12 x 12 x 10 ins. 8 ins. in the ground for Cor. to Secs. 13, 14, 23, 24 marked with 3 notches on S. and 1 notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land rolling.

Soil 3rd rate

Timber of pine & juniper.

Vegetation. grass.

Township

211

N

Range

7

E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.

Descend. gradually.

16.08 Cross Road, bears, $N. 45^{\circ} E.$ & $S. 40^{\circ} W.$ 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.89 Intersect E. B. of Tp. 18, 18 1/2 mls. S. of cor. to secs. previously set by me.

13, 18, 19, 21 from which corner, I run

 $S. 89^{\circ} 32' W.$ on a true line, between sections 13 & 21Variation $14^{\circ} 45'$ East.

79.94 Set a *round* stone $20 \times 20 \times 8$ 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.

79.89 The corner to sections 13, 14, 23 & 24

Land. rolling.

Soil F° rateTimber of *pine & juniper*Vegetation. *grass.*

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation 11° 15' East.Ascend. gradually.30.00 Top of Ridge, bears N. 60° W. S. 60° E and descend.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 $\frac{1}{4}$ 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.80.00 Set a post 4 ft. long, 4 ins. square, with marked stone

12 ins. in the ground, for Cor. to Secs. 11, 12, 13, 14

marked T, $\frac{2}{4}$ N, S, $\frac{2}{2}$, on N, E, R, $\frac{7}{7}$ E, S, $\frac{3}{3}$ on S, E, S, $\frac{14}{14}$ on S. W. and S, $\frac{11}{11}$ on N, W, face

with 4 notches on S, and 1 notch 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 8 ins, diam. bears N. 70° E. 20 lks. dist.marked T, $\frac{2}{4}$ N, R, $\frac{7}{7}$ E, S., $\frac{12}{12}$ B. T.A Pine 13 ins, diam. bears S. 35° W. 33 lks. dist.marked T, $\frac{14}{14}$ N, R, $\frac{7}{7}$ E, S., $\frac{14}{14}$ B. T.

No other trees within limits.

Land mountainous

Soil S^{ry} rateTimber of pine & juniperVegetation grass

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Descend.

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

57.00 Cross road bears N. 40° E. & S. 40° W.

70.66 Intersect E. B. of Tp. 10 Wks. N. of cor. to secs.
previously set by me.

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

N. 89° 06' W. on a true line, between sections 12 & 13

Variation 14° 45' East.

39.83 Set a Sand stone 15 x 12 x 12 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.

19.66 The corner to sections 11. 12. 13 & 14

Land rolling.

Soil 3rd rate

Timber of Yucca & juniper.

Vegetation. grass.
Nov. 1, 1883

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation 14° 40' East.Descend. gradually.

2000 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, dug pits, 18 x 18 x 12 ins., N. and S. 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 1, 2, 11, 12 marked T, 24 N. S. 1, on N, E, R, 7 E, S. - 12. on S, E, S, 11 on S, W, and S, 2 on N, W, face with 3 notches on S, and 1 notch 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 7 ins, diam. bears S. 45° E. 20 lks. dist. marked T, 24 N. R. 7 E. S., 12 B. T.

A Pine 10 ins, diam. bears N. 30° E. 52 lks. dist. marked T, 24 N. R. 7 E. S., 1 B. T.

A Juniper 15 ins. diam. bears S. 10° W. 16 lks. dist. marked T, 24 N. R. 7 E. S., 11 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rateUndergrowth of bunchgrass.Timber of pine & juniper.

Township

24

N.

BOOK
Range

496

E.

Gila and Salt River Meridian,

Chains

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

Variation

14° 45'

East,

Descend.

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

47.80 Cross Wash, 40 lks. wide, Course N. 20° E. and ascend.

76.12 Cross Road, bears, N. 30° E. & S. 30° W.

79.84 Intersect E. B. of Tp. 18 lks. N. of cor. to secs.
previously set by me.

1. 6. 7 & 12 from which corner, I run

N. 89° 02' W. on a true line, between sections 1 & 12

Variation 14° 45' East.

79.92

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

N. 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 which

A Pine 10 ins. diam. bears N. 11° E. 2 lks. dist.

marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

79.84

The corner to sections 1, 2, 11 & 12

Land rolling.

Soil 3rd rate

Undergrowth of bunchgrass.

Timber of Juniper & Juniper.

Township 24 N Range 7 E
 Gila and Salt River Meridian.

Chains

^{true.}
 North, on a random line between Sections 1 and 2.

Variation

14° 45'

East.

Descend.

330 Cross Road, bears, N. 40° E. & S. 45° W.

2700 Cross Wash, 60 lks. wide, Course E and ascend.

4000 Set a Sand stone 24 x 7 x 7 ins., 18
 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.

6057 Intersect the 6th Standard Parallel North at a
 point 768 chs. East of the Standard ^{1/4 Sec. on S. R. of} Cor. to Secs. 30 and T. 26 N. R. 7 E. at which
 point 1 previously set by me.

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the
 ground, for ^{Closing} Cor. to Secs. 1 and 2 marked
T. 24 N. R. 7 E., on S. 1 on E and S. 2 on
W faces, with 1 notch on E and 3 notch
 on W faces, dug pits 18 x 18 x 12 ins. S. & W. of post,
5 1/2 ft. dist. and raised a mound of earth 2 ft. high, 4 1/2
 ft. base around post.

Land rolling.

Soil 3rd rateUndergrowth of lunchgrass.Timber of pine & juniper.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

From the corner to sections, 2, 3, 34 & 35 previously set by me.
 Chains 3000 North, between Sections 34 and 35.

Variation 14° 45' East.

Ascend.

4000 Set a sand stone, 20 x 10 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 impracticable.

from which
 A Yellow Pine 12 ins diam. bears N. 80° E. 72 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

67.00 Top of Ridge, bears N. 50° E. 1000 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. 26, 27, 34, 35 marked T. 24 N. S. 20, on N, E, R, 7 E, S. 33 on S, E, S, 34 on S, W, and S, 27 on N, W, face with 1 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 Yellow Pine 25 ins diam. bears N. 72° W. 114 lks. dist. marked T. 24 N. R. 7 E. S., 27 B. T.

A Yellow Pine 20 ins diam. bears N. 70° E. 113 lks. dist. marked T. 24 N. R. 7 E. S., 26 B. T.

A Yellow Pine 20 ins diam. bears N. 73° E. 104 lks. dist. marked T. 24 N. R. 7 E. S., 35 B. T.

No other trees within limits.

Land mountainous

Soil 3^d rate.

Heavy timber of pine.

Undergrowth of bunchgrass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains

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

Variation 141° 45' East.Descend. gradually.

40.00

Set temporary $\frac{1}{4}$ Sec. Cor. S. 80° E.

41.00

Gross Wash, 180 lks. wide, Course S. 80° E.

72.80

Gross Wash, 2 lks. wide, Course N. 10° E. and ascend

40.00

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

79.73

Intersect N. & S. line, 14 lks. S. of cor. to secs.26.26.33.36 from which corner, I runS. 89° 54' W. on a true line between sections 26.35Variation 141° 45' East

39.86

Set a Sand stone 12 x 12 x 8 ins., 8
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 20 ins diam. bears N. 10° E. 2 lks. dist.
marked $\frac{1}{4}$ S. B. T. No other trees within limits.

79.73

The corner to sections 26.27.34.35

Land rolling.

Soil 3rd rateUndergrowth of bunchgrass.Timber of pine!

Township

24

N

Range

7

E

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation

14° 45'

East.

Descend.

0.30 Cross Wash, 150 lks. wide, Course S. 80° E and ascend.

36.00 Top of Ridge, bears E. & W. and descend.

40.00 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 W. face; from which
A Pine 5 ins. diam. bears N. 70° E. 19 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Pine 10 ins. diam. bears N. 80° W. 12 lks. dist.
marked $\frac{1}{4}$ S. B. T.

60.30 Cross Wash, 12 lks. wide, 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. 22, 23, 26, 27

marked T. 24 N. S. 23, on N. E., R. 7 E., S. 26

on S. E., S. 27 on S. W., and S. 22 on N. W. face,

with 2 notches on S. and 2 notches on E. edges;

and raised a mound of stone 2 ft. high, 4½ ft. base
around post. Pits impracticable.

Land mountainous

Soil 3rd rate.

Heavy timber of pine & juniper

Undergrowth of bunchgrass.

Township

24

N

Range

7

E

Gila and Salt River Meridian.

Chains

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

Variation

141° 40'

East.

Descend.

34.20 Cross Wash, 2 lks. wide, Course N. 45° E and ascend.

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

79.41 Intersect N. & S. line, 38 lks. S. of cor. to secs.

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

S 89° 44' W. on a true line between sections 23, 26

Variation

141° 40'

East

39.71 Set a Sand stone 12 x 12 x 7 ins., 8 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.

79.41 The corner to sections 22, 23, 26, 27

Land rolling.

Soil 3rd rate

Undergrowth of bunchgrass.

Timber of pine & fir.

Township

24

N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation

14° 45'

East.

Ascend. gradually.

Cross Road, bears N. 20° E. S. W.

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. onW. 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 Pine 20 ins. diam. bears S. 20° W. 79 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. 1st Secs, 14, 15, 22, 23

marked T, 24 N. S. 14, on N, E, R, 7 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,

dig 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. 85° W. 44 lks. dist.

marked T, 24 N. R. 7 E. S., 15 B. T.

A Pine 12 ins. diam. bears N. 10° E. 8 lks. dist.

marked T, 24 N. R. 7 E. S., 14 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Heavy timber of

Pine & Juniper

Undergrowth of

bunchgrass.

Township

24

N

Range

7

E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Descend. gradually along S. slope.

40.00

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

79.68

Intersect N. & S. line, 11 lks. S. of cor. to secs.

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

S. 89° 55' W. on a true line between sections 14 & 23

Variation

14° 45'

East

39.84

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

12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{4}$ S. on

N. 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.

79.68

The corner to sections 14, 15, 22, 23

Land rolling.

Soil 3rd rate

Timber of pine & juniper.

Vegetation. grass.

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

Nov. 2, 1883

Township

24 N.

Range

7 E.

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation $124^{\circ} 45'$ East.

Ascend.

40.00

Set a Sand stone $14 \times 10 \times 0$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on face, and raised a mound of stone alongside. Pits

impracticable.

from which

A Pine 20 ins. diam. bears N. 10° W. 63 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.00

Set a Lava stone $14 \times 10 \times 4$ ins. 10 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 16 ins. diam. bears N. 40° W. 19 lks. dist.

marked T. 24 N. R. 7 E. S., 18 B. T.

A Juniper 12 ins. diam. bears S. 10° E. 10 lks. dist.

marked T. 24 N. R. 7 E. S., 15 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate

Undergrowth of bunchgrass.

Timber of pine & juniper.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Ascend.

15:00 Top of Knoll.

40:00 Set temporary $\frac{1}{4}$ Sec. Cor.80.13 Intersect N. & S. line, 23 lks N of cor. to secs.

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

N. 89° 50' W. on a true line between sections 11 & 14Variation 14° 40' East40:06 Set a Lava stone 14 x 10 x 4 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
unpracticable.

80.13 The corner to sections 10, 11, 14, 15

Land mountainous

Soil 3rd rate.Heavy timber of pine.Undergrowth of bunchgrass.

Township

21 N.

BOOK 496

Range

7

E.

20

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

14° 45'

East.

Descend. gradually.

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, dug pits, 18 x 18 x 12 ins., N. and S. 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 which
A Pine 0 ins. diam. bears N. 28 $\frac{1}{2}$ ° E. 8 lks. dist. marked $\frac{1}{2}$ 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. 9, 3, 10, 11 marked T. 24 N. S. 2, on N, E, R, 7 E. S. 11 on S, E, S, 10 on S, W, and S, 3 on N, W, face with 3 notches 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 S. 60° E. 23 lks. dist. marked T. 24 N. R. 7 E. S., 11 B. T.
A Juniper 10 ins. diam. bears S. 10° W. 20 lks. dist. marked T. 24 N. R. 7 E. S., 10 B. T.
No other trees within limits.

Land rolling.

Soil 3rd rate.Heavy timber of
Undergrowth ofPine & Juniper
bunchgrass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Descend. gradually.

40.00

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

79.97

Intersect N. & S. line, 34 lks. N. of cor. to secs.

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

N. 89° 45' W. on a true line between sections 2 & 11

Variation

14° 45'

East

39.98

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, 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 which

A Pine 7 ins. diam. bears N. 7° W. 27 lks. dist.

marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

79.97

The corner to sections 2, 3, 10 & 11

Land rolling.

Soil 3rd rate.

Heavy timber of pine.

Undergrowth of bunchgrass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains *true.*
North, on a ~~random~~ line between Sections 2 and 3.
Variation 14° 45' East.

Descend. gradually.

6.50 Cross Road, bears, E. 1/2 W.

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, dug pits, 18 x 18 x 12 ins., N. and S. 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.

60.14 Intersect the 6th/₁₁ Standard Parallel North at a point 7.98 chs. East of the Standard Cor. to S. 1/4 of Sec. 24 and T. 25 N. R. 7 E. at which point I

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for closing Cor. to Secs. 2 and 3, marked C. C. T. 24 N. R. 7 E. on S. 2 or E. and S. 3 on W. faces, with 2 notches on E. and 4 notches on W. faces, and raised a mound of stone 2 ft. high, $4\frac{1}{2}$ ft. base around post. Pits impracticable.

Land rolling.

Soil S^o rate

Timber of pine.

Vegetation. grass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

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

Chains Iron North, between Sections 33 and 34.

Variation 14° 45' East.

Descend.

40.00

Set a Sand stone 20 x 12 x 12 ins., 10 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 Yellow Pine 30 ins diam. bears S. 10° E. 29 lks. dist. marked 1/4 S. B. T. No other trees within limits.

79.40

Cross Wash, 80 lks. wide, Course N. 78° E. and ascend.

80.00

Set a Sand stone 14 x 12 x 10 ins. 10 ins. in the ground for Cor. to Secs. 27, 28, 33, 34 marked with 1 notch on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

A Yellow Pine 30 ins diam. bears S. 20 1/2° W. 77 lks. dist. marked T. 24 N. R. 7 E. S., 33 B. T.

A Yellow Pine 20 ins diam. bears S. 15° E. 66 lks. dist. marked T. 24 N. R. 7 E. S., 34 B. T.

A Yellow Pine 20 ins diam. bears N. 70° E. 97 lks. dist. marked T. 24 N. R. 7 E. S., 27 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate.

Heavy timber of pine.
Undergrowth of brushgrass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Descend.

20.00 Cross Wash, 1 lks. wide, Course N 60° E and ascend.

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

80.29 Intersect N. & S. line, 20 lks. S. of cor. to secs.

26, 27, 34. From which corner, I run

S. 89° 37' W. on a true line between sections 27 & 34

Variation 14° 45' East

40.14 Set a Sand stone 20 x 12 x 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
unpracticable.

80.29 The corner to sections 27, 28, 33, 34

Land rolling.

Soil 3rd rate

Timber of. pine & juniper.

Vegetation. grass.

Nov. 3, 1883

25
Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation

14° 45'

East.

Ascend.

5.30

Top of Spur, bears N. 85° E. & S. 85° W. and descend.

26.00

Cross Wash, 1/2 m. wide, Course N 80° E. and ascend.

39.77

Cross Road, bears, N. 45° E. & S. 45° W.

40.00

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

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

65.00

Top of Ridge, bears N. 80° E. & S. 80° 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. 21, 22, 27 & 28 marked T. 24 N. B. 22. on N. E. R. 1/4 S., 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 1/2 ft. base around post. Pits impracticable.

Land mountainous

Soil 3rd rate

Timber of pine & juniper.

Vegetation. grass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Descend.

37.00 Cross Wash, 1 lks. wide, Course S. 70° E. and ascend.63.00 Cross Road, bears, N. 45° E. & S. 45° W.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.35 Intersect N. & S. line, 12 lks. N. of cor. to secs.22, 23, 26, 27 from which corner, I runN. 89° 55' W. on a true line between sections 22 & 27Variation 14° 45' East

40.17

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 12 x 12 ins., E. and W. ofpost $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.

80.35

The corner to sections 21, 22, 27, & 28

Land mountainous

Soil 3rd rateTimber of pine & juniperVegetation. grass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains North, between Sections 21 and 22. Variation 14° 15' East.

Descend.

11.66 Gross Wash, 1 lks. wide, Course N 85° 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 pine 8 ins. diam. bears S. 60° W. 30 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. 15. 16. 21. 22 marked T 24 N. S. 10°, on N. E., R. 7 E., S. 22 on S. E., S. 21 on S. W., and S. 10 on N. W. face, with 3 notches on S. and 3 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 3rd rate

Timber of pine & juniper.

Vegetation. grass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.

Descend.

21.00 Set temporary $\frac{1}{4}$ sec. cor.
 74.00 Leave flat bearing $\frac{1}{4}$ S. and
 80.04 Intersect N. & S. line. 43 lks. N. of cor. to secs.

H. 15. 22 & 23 from which corner, I run

N. $89^{\circ} 42' W.$ on a true line between sections 15 & 22Variation $14^{\circ} 45'$ East

40.02 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. on
 N. 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.

80.04 The corner to sections 15, 16, 21 & 22

Land rolling.

Soil 3^{rd} rate

Timber of pine & juniper.

Vegetation. grass.

Township 24 N BOOK 496 Range 7 E

Gila and Salt River Meridian.

Chains

North, between Sections 15 and 16.

Variation 14° 45' 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, dug pits, 18 x 18 x 12 ins., N. and S. 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 9, 10, 15, 16 marked T, 24 N. S. 10, on N, E, R, 7 E, S. 15 on S, E, S, 16 on S, W, and S, 9 on N, W, face with 4 notches on S, and 3 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.

Land rolling.

Soil 3^d rate

Vegetation, grass.

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Ascend.

20.00 Leave Valley, bears S. 10° E. 1/2 N. 10' W. and ascend.25.10 Top of Spur, bears S. 10° E. 1/2 N. 10' W. and descend.35.10 Cross low Sag and ascend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.79.82 Intersect N. & S. line. 16 lks. N. of cor. to secs.16.11.14.16 From which corner, I runN. 89° 53' W. on a true line between sections 10 & 15Variation 14° 45' East79.91 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. line, and raised a mound of stone 1 1/2 ft. high,3 1/2 ft. base around post. Pits impracticable.

from which

A Pine 12 ins. diam. bears N. 75° E. 17 lks. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

79.82 The corner to sections 9. 10. 15. & 16

Land mountainous & rolling.

Soil 3rd rateTimber of pine & juniperVegetation. grass.

Township

24

N

Range

7

E

Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation

14° 45'

East.

- 20.00 Leave Valley, bears N 40° W. S 40° E and ascend.
- 40.00 Set a post 3 ft. long. 3 ins. diam. with marked stone 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. 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.
- 80.00 Set a sand stone 20 x 10 x 3 ins. 15 ins. in the ground for Cor. to Secs. 9 & 10 marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.
- from which
- A Pine 12 ins. diam. bears S 70° W. 20 lks. dist. marked T. 24 N. R. 7 E. S., 9 B. T.
- A Pine 10 ins. diam. bears N 10° E. 34 lks. dist. marked T. 24 N. R. 7 E. S., 3 B. T.
- No other trees within limits.
- Land mountainous & rolling.
- Soil 3rd rate
- Timber of pine & juniper
- Vegetation. grass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Ascend.

5.00 Top of Bowd Butte, descend.

18.00 Basin 30 ft.

32.00 East rim of basin.

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

80.18 Intersect N. & S. line, 9 lks. S. of cor. to secs.

2, 3, 10 & 11 from which corner, 1 run

S. 89° 56' W. on a true line between sections 3 & 10

Variation 14° 45' East

40.09 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, 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 which

A Pine 12 ins. diam. bears S. 60° E. $3\frac{1}{2}$ lks. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

80.18 The corner to sections 3, 4, 9 & 10

Land rolling.

Soil 3rd rate.

Heavy timber of pine.

Undergrowth of bunchgrass.

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

Nov. 5. 1883

Township 24 N. Range 7 E.

Gila and Salt River Meridian.

true.

Chains

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

Variation

14° 15'

East.

Descend. along W. slope of ridge.

33.00

Cross. Road, bears, N. 30° E. & S. 30° W.

28.00

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, dug pits, 18 x 18 x 12 ins., N. and S. 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.

60.37

Intersect the 6^{th} Standard Parallel Marked a point 8.00 chs. East of the Standard $\frac{1}{2}$ Sec. Cor. to S. E. of previously set by me. Sec. 33 and T. 25 N. R. 7 E. at which point I

Marked a Cedar 12 ins. diam. marked C. C. T. 24 N. R. 7 E. on S. S. 3 on E. and S. 4 on W. faces, with 3 notches on E. and 3 notches on W. faces, dug pits 18 x 18 x 12 ins. S. E. W. of tree, $5\frac{1}{2}$ ft. dist. raised a mound of earth around tree for closing cov. to Sec. 13 $\frac{1}{4}$ from which

A Pine 0 ins. diam. bears S. 40° W. 39 lks. dist.

marked T. 24 N. R. 7 E. S. 4 B. T.

No other trees within limits.
Land rolling.

Soil 3^{rd} rate

Timber of pine & fir

Vegetation. grass

Township 24 N Range 7 E

Gila and Salt River Meridian.

From the corner to sections 4, 5, 8, 2, 1, 3 previously set by me.

Chains Imm North, between Sections 32 and 33.

Variation 14° 45' East.

Ascend.

27.00 Top of Spur, bears N. E. S. W. and descend.
40.00 Set a Sand stone 20 x 18 x 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.

80.00 Set a Sand stone 15 x 12 x 10 ins. 10 ins. in the ground for Cor. to Secs. 28, 29, 32, 33 marked with 1 notch on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

from which

1 Yellow Pine 15 ins diam. bears N. 40° E. 10 lks. dist. marked T. 24 N. R. 7 E. S., 28 B. T.

1 Yellow Pine 10 ins diam. bears N. 35° W. 79 lks. dist. marked T. 24 N. R. 7 E. S., 29 B. T.

1 Yellow Pine 15 ins diam. bears S. 12 1/2° E. 160 lks. dist. marked T. 24 N. R. 7 E. S., 33 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Heavy timber of pine.

Undergrowth of lunchgrass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Ascend.

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

55.00 Top of Spur, bears N. 50° E. S. 50° W and descend.

79.98 Intersect N. & S. line, 145 lks. N. of cor. to secs.

27, 28, 33 & $\frac{3}{4}$ from which corner, I run

N. 89° 41' W. on a true line between sections 28 & 33

Variation

14° 45'

East

39.99

Set a Sand stone 24 x 12 x 12 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.

49.98

The corner to sections 28, 29, 32, 33

Land mountainous

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains North, between Sections 28 and 29.

Variation 111° 45' East.

Descend.

- 3.70 Cross Wash, 90 lks. wide, Course N. 80° E and ascend.
 - 11.00 Cross Road, bears N. 80° E. S. 80° W.
 - 40.00 Set a Sand Monolith 18 x 10 x 2 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.
 - 71.50 Top of Ridge, bears N. E. & S. 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. 20. 21. 28 & 29 marked T. 24 N. S. 21, on N. E., R. 7 E., S. 28 on S. E., S. 29 on S. W. and S. 20 on N. W. face, with 2 notches on S. and 4 notches 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 Yellow Pine 19 ins diam. bears S. 45° W. 42 lks. dist. marked T. 24 N. R. 7 E. S., 29 B. T.
 - A Yellow Pine 14 ins diam. bears N. 15° E. 30 lks. dist. marked T. 24 N. R. 7 E. S., 21 B. T.
 - A Yellow Pine 10 ins diam. bears S. 30° E. 48 lks. dist. marked T. 24 N. R. 7 E. S., 28 B. T.
- No other trees within limits.
Land mountainous
Soil 3rd rate.
Heavy timber of pine & fir.
Undergrowth of grass.

Township

24

N.

Range

7

E.

Gila and Salt River Meridian.

Chains

East, on a random line between Sections 21 and 28.

Variation

11° 40'

East.

Ascend. rapidly.

17.00

Top of butte.

40.00

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

79.88

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

21, 22, 27, 28 from which corner, I run

N. 89° 54' W. on a true line between sections 21, 28

Variation 11° 45' East

89.94

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

N. face, dug pits, 18 x 13 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 which

A Pine 8 ins. diam. bears S. 85° W. 3 lks. dist.

marked $\frac{1}{2}$ S. B. T. No other trees within limits.

79.88

The corner to sections 20, 21, 28, 29

Land mountainous

Soil 3rd rate

Timber of pine & juniper.

Vegetation. grass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

111° 15' East.

Descend.

28.00 Cross Wash, 1 $\frac{1}{2}$ $\frac{1}{2}$ wide, Course \odot and ascend.

48.00 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, dug pits, 18 x 18 x 12 ins., N and S. 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 which
A Yellow Pine 10 ins diam. bears S. 70° W. $3\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{2}$ dist.
marked $\frac{1}{2}$ 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. of Secs. 16, 17, 20 + 21
marked T. 24 N. S. 16, on N, E, R, 7 E; S. 21
on S, E, S, 20 on S. E, and S, 17 on N, W, face
with 3 notches on S, and 4 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 Yellow Pine 20 ins diam. bears S. 40° E. 8 $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ dist.
marked T. 24 N. R. 7 E. S., 21 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.

Descend. gradually.

24.00 Enter Flat bears N. W. & S. E.

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

80.21 Intersect N. & S. line, 9 lks. S. of cor. to secs.

16, 21 & 22 from which corner, I run

S. 89° 56' W. on a true line between sections 16 & 21

Variation $14^{\circ} 45'$ East

40.10 Set a Sand stone $15 \times 12 \times 10$ ins., 10 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.

80.21 The corner to sections 16, 17, 20 & 21

Land rolling.

Soil B²⁰ rate

Timber of pine & juniper.

Vegetation. grass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation

14° 45'

East.

Descend. gradually.

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, dug pits, 18 x 18 x 12 ins., N. and S. 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 which

A Yellow Pine 20 ins diam. bears N. 40° W. 72 lks. dist.
marked $\frac{1}{4}$ S. B. T. No other trees within limits.

73.30

Cross Road, bears, N. 30° E. & S. 30° W.

80.00

Set a Lava stone 14 x 10 x 4 ins. 1 ins. in
the ground for Cor. to Secs. 8, 9, 16 & 17 marked
with 4 notches on S. and 4 notches on E. edges and
raised a mound of stone alongside. Pits impracticable.

from which

A Pine 14 ins. diam. bears N. 40° E. 75 lks. dist.
marked T. 24 N. R. 7 E. S., 9 B. T.

A Pine 20 ins. diam. bears S. 45° W. 54 lks. dist.
marked T. 24 N. R. 7 E. S., 17 B. T.

A Yellow Pine 30 ins diam. bears S. 20° E. 68 lks. dist.
marked T. 24 N. R. 7 E. S., 16 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate.

Heavy timber of pine.

Undergrowth of bunchgrass Nov. 6. 1883

Township

24 N.

Range

7 E.

Gila and Salt River Meridian.

Chains

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

Variation

121° 45'

East.

Descend. gradually.

6.30 Cross Road, bears N. 30° E. - S. 30° W.

24.00 Enter Flat bears N. E. S. W.

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

80.11 Intersect N. & S. line, 22 lks. S. of cor. to secs.

9.10.15 & 16 from which corner, I run

S. 89° 46' W. on a true line between sections 9.10

Variation, 14° 45' East

40.05 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

N. 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.

80.11 The corner to sections 8. 9. 10 & 17

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 45' East.

Ascend. gradually.

40.00

Set a Lava stone 14 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.

55.00

Top of Ridge, bears E. x W. and descend.

80.00

Set a post 4 ft. long, 1 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 4, 5, 8 & 9 marked T. 24 N. S. 4, on N, E, R, 7 E. S. 9 on S, E, S, 8 on S, W, and S, 3 on N, W, face with 3 notches on S, and 4 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 12 ins, diam, bears N 40° W. 3/4 lks. dist. marked T. 24 N. R. 7 E. S., 5 B. T.

A Pine 12 ins, diam, bears N 60° E. 10 lks. dist. marked T. 24 N. R. 7 E. S., 4 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate.

Heavy timber of pine.

Undergrowth of bunchgrass.

Township

24

N

Range

7

E

Gila and Salt River Meridian.

Chains

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

Variation

111° 45'

East.

Ascend. gradually.

40.00

Set temporary sec. cor.

58.55

Cross road bear N. 80° E. & S. 80° W.

74.73

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

34.9 + 16 from which corner, I run

N 89° 49' W. on a true line between sections 4 & 9

Variation 111° 45' East

39.86

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

N. 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.

79.73

The corner to sections 4, 5, 8 & 9

Land rolling.

Soil: 3rd rate

Timber of pine.

Vegetation. bunchgrass.

Township

24

Range

7

E

Gila and Salt River Meridian.

Chains

North, on a ^{true} ~~random~~ line between Sections 4 and 5.

Variation 14° 40' East.

Ascend.

3000

West edge of Butte.

4000

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, dug pits, 18 x 18 x 12 ins., N. and S. 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 which

A Pine 10 ins. diam. bears S. 10° W. 17 lks. dist. marked $\frac{1}{2}$ S. B. T. No other trees within limits.

6021

Intersect the 0th Standard Parallel North at a point 8.10 chs. East of the Standard Cor. to S. B. of Secs. 32 and T. 25 N. R. 7 E. ^{1/4 Sec. in S. B. of} previously set by me. at which point I

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ^{closing} Cor. to Secs 4 and 5, marked O. O. T. 24 N. R. 7 E. on S. S. 4 on E. and S. 5 on W. faces, with 4 notches on E. and 5 notches on W. faces, and raised a mound of stone 2 ft. high, $4\frac{1}{2}$ ft. base around post. Pits impracticable.

from which

A Pine 12 ins. diam. bears S. 30° W. 45 lks. dist. marked T. 24 N. R. 7 E. S. 5 B. T. No other trees within limits.

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation grass.

Township

24

Range

N

7

E

Gila and Salt River Meridian.

~~From the corner to sections, 5, 6, 31 & 32 previously set by me.~~

Chains. Run North, between Sections 31 and 32.

Variation

14° 45'

East.

Descend. gradually.

36.40 Cross Wash, 40 lks. wide, Course N. 45° E. and ascend.

40.00 Set a Sand stone 10 x 10 x 6 ins., 6 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 24 ins diam. bears S. 10° E. 33 lks. dist. marked $\frac{1}{2}$ S. B. T.A Yellow Pine 10 ins diam. bears N. 45° W. 10 lks. dist. marked $\frac{1}{2}$ S. B. T.

58.30 Cross Road, bears N. 55° E. S. 55° W.

80.00 Set a Sand stone 30 x 24 x 15 ins. 22 ins. in the ground for Cor. to Secs. 29, 30, 31 & 32 marked with / notch on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 45'$ East.

Descend. gradually.

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

42.13 Cross Road, bears, $N 55^{\circ} E, S 55^{\circ} W$.

43.00 Cross Wash, 80 lks. wide, Course $N 55^{\circ} E$.

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

28, 29, 32, 33 from which corner, I run

$N. 89^{\circ} 49' W$. on a true line between sections 29, 30, 32

Variation $14^{\circ} 45'$ East

40.20 Set a Sand stone $12 \times 12 \times 8$ ins., 8

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 36 ins diam. bears $S 50^{\circ} E$ 57 lks. dist.

marked $\frac{1}{4}$ S. B. T.

A Yellow Pine 10 ins diam. bears $N. 10^{\circ} E$. 58 lks. dist.

marked $\frac{1}{4}$ S. B. T.

80.40 The corner to sections 29, 30, 31, 32

Land rolling.

Soil B^2 rate

Timber of pine

Vegetation. grass.

Township 24 N Range 7 E
 Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Ascend.

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

48.00 Cross Road, bears, S. 10° W. & N. 10° E.

78.10 Intersect W. B. of Tp. 18 lks. S. of cor. to secs.
previously set by me.

25. 30. 31 & 30 from which corner, I run

S. 52° E. on a true line, between sections 30 & 31

Variation 14° 45' East.

38.10 Set a Sand stone 24 x 20 x 3 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 Yellow Pine 24 ins diam. bears N. 60° W. 4 lks. dist.
 marked $\frac{1}{4}$ S. B. T. No other trees within limits.

78.16 The corner to sections 29 30. 31 & 32

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township

24

N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation $111^{\circ} 45'$ East.

Ascend.

40.00

Set a Sand stone $24 \times 12 \times 10$ ins., 18 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 30 ins diam. bears $S. 45^{\circ} E$ 60 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, 24 ins. in the ground, for Cor. to Secs. 19, 20, 29 & 30 marked T. 24 N. S. 20 on N. E., R. 7 E., S. 29 on S. E., S. 30 on S. W., and S. 19 on N. W. faces, with 2 notches on S. and 5 notches on E. edges, from which

A Yellow Pine 24 ins diam. bears $S. 30^{\circ} E$. 60 lks. dist. marked T. 24 N. R. 7 E. S., 29 B. T.

A Yellow Pine 12 ins diam. bears $S. 25^{\circ} W$. 37 lks. dist. marked T. 24 N. R. 7 E. S., 30 B. T.

A Yellow Pine 8 ins diam. bears $N. 6\frac{1}{2}^{\circ} W$. 20 lks. dist. marked T. 24 N. R. 7 E. S., 19 B. T.

A Yellow Pine 10 ins diam. bears $N. 30^{\circ} E$. 36 lks. dist. marked T. 24 N. R. 7 E. S., 20 B. T.

Land rolling.

Soil 3° rate.

Heavy timber of pine.

Undergrowth of bunchgrass.

Nov. 7. 1883

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation

 $14^{\circ} 45'$

East

Along N. slope.

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

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

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

S $89^{\circ} 57' W$. on a true line between sections 20 & 29.Variation $14^{\circ} 45'$ East

40.03 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 Yellow Pine 30 ins diam. bears S $45^{\circ} E$. 42 lks. dist.
marked $\frac{1}{2}$ S. B. T.

A Yellow Pine 14 ins diam. bears S $12^{\circ} W$. 7 lks. dist.
marked $\frac{1}{2}$ S. B. T.

80.07 The corner to sections 19, 20, 29, 30

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township

21 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 45' East.

Ascend.

11.80

Set of round kniall.

40.00

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

62.00

Cross Road, bears, N. & S.

78.29

Intersect W. B. of Twp. 6 N. of cor. to secs.
previously set by me.

19. 20. 29 & 30 from which corner, I run

N. 89° 57' E. on a true line, between sections 19 & 30

Variation 14° 45' East.

88.29

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 which

a Yellow Pine 30 ins diam. bears N. 14° E. 8 $\frac{1}{2}$ kls. dist.marked $\frac{1}{2}$ S. B. T.

No other trees within limits.

78.29

The corner to sections 19. 20. 29 & 30

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation 14° 45' East.

Descend.

28.00 Cross Wash, 10 lks. wide, Course S 60° E and ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. with marked stone 12 ins. in the ground, for 1/4 Sec. Cor., marked 1/2 S. on W. face, dug pits, 18 x 18 x 12 ins., N. and S. of post 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post. from which a Yellow Pine 20 ins diam. bears N. 30° E. 27 lks. dist. marked 1/2 S. B. T. No other trees within limits.

67.00 Cross Road, bears, N. 25° E. S. 25° W.

30.00 Set a post 4 ft. long, 2 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 17, 18, 19, 20 marked T. 24 N. S. 17, on N, E, R, 7 E, S. 20 on S, E, S, 19 on S. W, and S, 18 on N, W, face with 3 notches on S, and 5 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5 1/2 ft, dist., and raised a mound of earth 2 ft, high, 4 1/2 ft, base around post.

from which a Yellow Pine 40 ins diam. bears S 70° W. 20 1/2 lks. dist. marked T. 24 N. R. 7 E. S., 19 B. T. A Yellow Pine 30 ins diam. bears S 15° E. 220 lks. dist. marked T. 24 N. R. 7 E. S., 20 B. T. No other trees within limits.

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township

24 N

Range

7 E

Gila and Salt River

Meridian.

Chains

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

Variation

14° 45'

East.

Ascend.

gradually.

4.217

Cross Road, bears,

N 25° E. & S 25° W.

40.00

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

79.79

Intersect N. & S. line.

20 lks. S.

of cor. to secs.

16.17.20.21 from which corner, I run

S 89° 49' W. on a true line between sections 17.20

Variation 14° 45' East

39.89

Set a Lava stone 14 x 10 x 3 ins., 10
 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. on

Top of

knoll re descend.

from which

A Yellow Pine 30 ins diam. bears S. 10° E. 30 lks. dist.
 marked $\frac{1}{2}$ S. B. T. No other trees within limits.

79.79

The corner to sections

17. 18. 19. & 20.

Land rolling.

Soil

3rd

rate

Timber of

pine.

Vegetation.

grass.

Township

24

N.

Range

7 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 45'

East.

Descend.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.78.03 Intersect W.B. of Tp. 24 Nks. S. of cor. to secs.
previously set by me.
18, 19 & 24 from which corner, I run

S 89° 41' E. on a true line, between sections 18 & 19

Variation 14° 45' East.

38.03

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
N. 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 which

A Yellow Pine 13 ins diam. bears S. 34° E. 75 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

78.03

The corner to sections 17, 18, 19 & 20

Land rolling.

Soil $\frac{2}{3}$ rate

Timber of pine.

Vegetation: grass,

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 45'

East.

Ascend. gradually.

4000

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. on
W. face, dug pits, 18 x 18 x 12 ins., N and S. 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 which

A Yellow Pine 24 ins diam. bears N. 30° W. 24 kts. dist.
marked $\frac{1}{2}$ 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, 7, 8, 17, 18
marked T, 24 N, S, 8, on N, E, R, 7 E, S, 17
on S, E, S, 18 on S, W, and S, 7 on N, W, face
with 4 notches on S, and 5 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 Yellow Pine 20 ins diam. bears N. 40° E. 7 kts. dist.
marked T, 24 N, R, 7 E, S, 8 B. T.

A Yellow Pine 30 ins diam. bears S. 20° E. 14 kts. dist.
marked T, 24 N, R, 7 E, S, 17 B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate

Timber of pine

Vegetation. grass.

Township

24 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. very gradually.

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

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

89.16 & 17 from which corner, I run

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

40.08 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
 N. 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 which
 a Yellow Pine 14 ins diam. bears S. $27^{\circ} W.$ 74 lks. dist.
 marked $\frac{1}{2}$ S. B. T. No other trees within limits.

80.16 The corner to sections 7, 8, 17 & 18

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

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

Nov. 8, 1883

Township 24 N Range 7 E
Gila and Salt River Meridian.

Chains

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

Variation 11° 45' East.

Over rolling land.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.78.30 Intersect W. B. of Tp. 25 Ns. S. of cor. to secs.
previously set by me.

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

S. 89° 49' E on a true line, between sections 7 & 18Variation 11° 45' East.

35.30

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. ofpost $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft.high, $3\frac{1}{2}$ ft. base around post.

78.30

The corner to sections 7. 8. 17 & 18

Land rolling.

Soil 3rd rateTimber of pine.Vegetation. grass.

Township

24 N

Range

7

E

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation

11° 45'

East.

Ascend. gradually.

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, dug pits, 18 x 18 x 12 ins., N. and S. 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 which

A Yellow Pine 20 ins diam. bears N. 40° W. 33 lks. dist.
marked $\frac{1}{2}$ S. B. T. No other trees within limits.

56.00

Top of Butte 80 ft. 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, 5, 6, 7, 8
marked T. 24 N. S. 8, on N, E, R, 7 E, S. 8
on S, E, S, 7 on S. W, and S, 6 on N, W, face
with 5 notches on S, and 5 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 20 ins, diam. bears N, 70° W. 120 lks. dist.
marked T. 24 N. R. 7 E. S., O B. T.

No other trees within limits.

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. Grass.

Township 24 A Range 7 E
Gila and Salt River Meridian.

Chains

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

Variation

 $14^{\circ} 45'$

East.

Ascend.

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

80.02 Intersect N. & S. line, 574 lks. S. of cor. to secs.

41.5. 8 & 9 from which corner, I run

 $S 89^{\circ} 37' W$. on a true line between sections 5 & 8Variation $14^{\circ} 45'$ East

40.10 Set a Sand stone $20 \times 10 \times 6$ 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 70 ins, diam. bears $N 26^{\circ} \frac{1}{4} E$, 4 lks. dist.
marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.32 The corner to sections 5, 6, 7 & 8

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Township 24 N Range 7 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 45' East.

Over rolling land.

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

77.85 Intersect W.B. of Tp. 40 N. S. of cor. to secs. previously set by me.

1.6. 7 & 12 from which corner, I run

S. 89° 43' E on a true line, between sections 6 & 7

Variation 14° 45' East.

37.85 Set a Lava stone 14 x 10 x 4 ins., 10 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.

77.85 The corner to sections 5, 6, 7 & 8
Land rolling.

Soil 3rd rate

Timber of pine

Vegetation. grass

Township

24 N

Range

7 E

Gila and Salt River Meridian.

Chains

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

Variation $11^{\circ} 45'$ East.

Descend. gradually.

40.00

Set a Lava stone $12 \times 10 \times 8$ 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.

60.90

Intersect the 0^{th} Standard Parallel North at a point 8.20 chs. East of the Standard Cor. to ^{1/4 Sec.} S. E. of previously set by me. Secs. 31 and T. 25 N. R. 7 E, at which point I

Set a post, 4 ft. long, 4 ins. square, 12 ins. in the ground, for ~~clear~~ Cor. to Secs. 5 and 6 marked T. 24 N. R. 7 E., on S. 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. W 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.

Land rolling.

Soil 3rd rate

Timber of pine.

Vegetation. grass.

Nov. 9. 1883

GENERAL DESCRIPTION.

The land in this Township
is generally rolling.

The soil may be classed as
2nd & 3rd rate.

Vegetation grass.

Good Yellow Pine timber
is found in nearly all part
of the Township, also Oak
Pine, Fir and other kinds
are found.

Final Oaths for Surveys.

LIST OF NAMES.

A list of the names of the individuals employed by

A. C. Shoemaker, United States
Deputy Surveyor, to assist in running, measuring, and marking
the lines and corners described in the foregoing field-notes of the
survey of *the retracing of the Boundary line*
between Arizona and New Mexico
from the 157th to the 156th mile Post
the Standard Parallel North along
S. 3. Tps 25 N Rs 4, 5, 6 + 7 E and
a portion of the Retracings and extensions
and subdivision lines of T. 10 N
R 19 E. Tps 11 N Rs 20 + 23 E, Tps 8 N Rs
27, 30 + 31 E, Tps 16 N Rs 29 + 31 E,
T. 20 N R 9 E and T. 24 N R 7 E 4, + 5, R
M.

showing the respective capacities in which they acted.

....., Compassman.
Thomas Sloney, Chainman.
J. M. Chaplin, Chainman.
Albert Franklin, Chainman.
Orlando Lawton, Chainman.
Theodor Friss, Axeman.
John Phelan, Axeman.
H. Black, Flagman.

Final Oaths of Assistants.

We hereby certify that we assisted

A. E. Shoemaker, United States Deputy Surveyor,

in surveying all those parts or portions of the retracing of the
 boundary line between Arizona and New
 Mexico from the 151st to the 156th mile
 Post. The 6th Standard Parallel North along
 AB Tps 25 N Rs 4. 5. 6 & 7 E, and a
 portion of the retracings and extensions and
 subdivisions lines of T. 10 N. R. 19 E, Tps 11 N
 Rs 20 & 23 E, Tps 8 N Rs 27. 30 & 31 E, Tps
 16 N R 29 & 31 E, T. 26 N R 9 E and T. 24 N 7 E
 of the Gila & S. R. base and

Meridian, Territory of Arizona, as are
 represented in the foregoing field-notes as having been surveyed by
 him and under his direction; and that said survey has been in all
 respects, to the best of our knowledge and belief, well and faith-
 fully surveyed, and the corner monuments established according
 to the instructions furnished by the United States Surveyor-Gen-
 eral for Arizona

Thomas Galloway, Compassman.
J. M. Martin, Chainman.
Albert Franklin, Chainman.
Olando Lawton, Chainman.
Shadore Fruse, Axeman.
John Phelan, Axeman.
H. Black, Flagman.

Subscribed and sworn to before me this 15th
 day of November, 1883

A. E. Shoemaker
 U. S. Commissioner, 3d Judicial District,
 Arizona Territory.

Final Oath of United States Deputy Surveyor.

I, A. C. Shoemaker,United States Deputy Surveyor, do solemnly swear that in pursuance of instructions received from J. W. Robbins, United States Surveyor-General for Arizona,bearing date of the 9th day of September, 1882,

I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United

States Surveyor-General for Arizona,the surveying manual, and the laws of the United States, surveyed all those parts or portions of the retracing of the

boundaries between Arizona and New Mexico from the 151st to the 156th mile Post the 6th standard Parallel north along S.B. Sp 25 N., Rs 5, 6 & 7 E. and a portion of the retracings and exterior and subdivision lines of T. 10 N., R. 19 E. Sp. 11 N., Rs 20 & 23 E., Sp. 8 N., Rs 27, 30 & 31 E. Sp. 16 N., Rs 29 & 31 E., Sp. 20 N., R. 9 E., and Sp. 20 N., R. 7 E.

of the Gila Salt River base andMeridian in the Territory of Arizona,

as represented in the foregoing field-notes as having been surveyed by me and under my directions; and I do further solemnly swear

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that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field-notes, and that the foregoing are the true field-notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an Act of Congress, approved August 8, 1846.

A. E. Shoemaker

United States Deputy Surveyor.

Subscribed and sworn to before me this 17th
day of November, 1883.

Geo. L. Havenport

U. S. Commissioner, 3d Judicial District,
Arizona Territory.

U. S. Surveyor General's Office,

Tucson, Arizona, July 26. 1884

The foregoing Field Notes of the Survey of the

Subdivision Lines of
 Township 24 North
 Range 7 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by

A. E. Shoemaker

Deputy Surveyor, under his contract of the

5th

day of

August

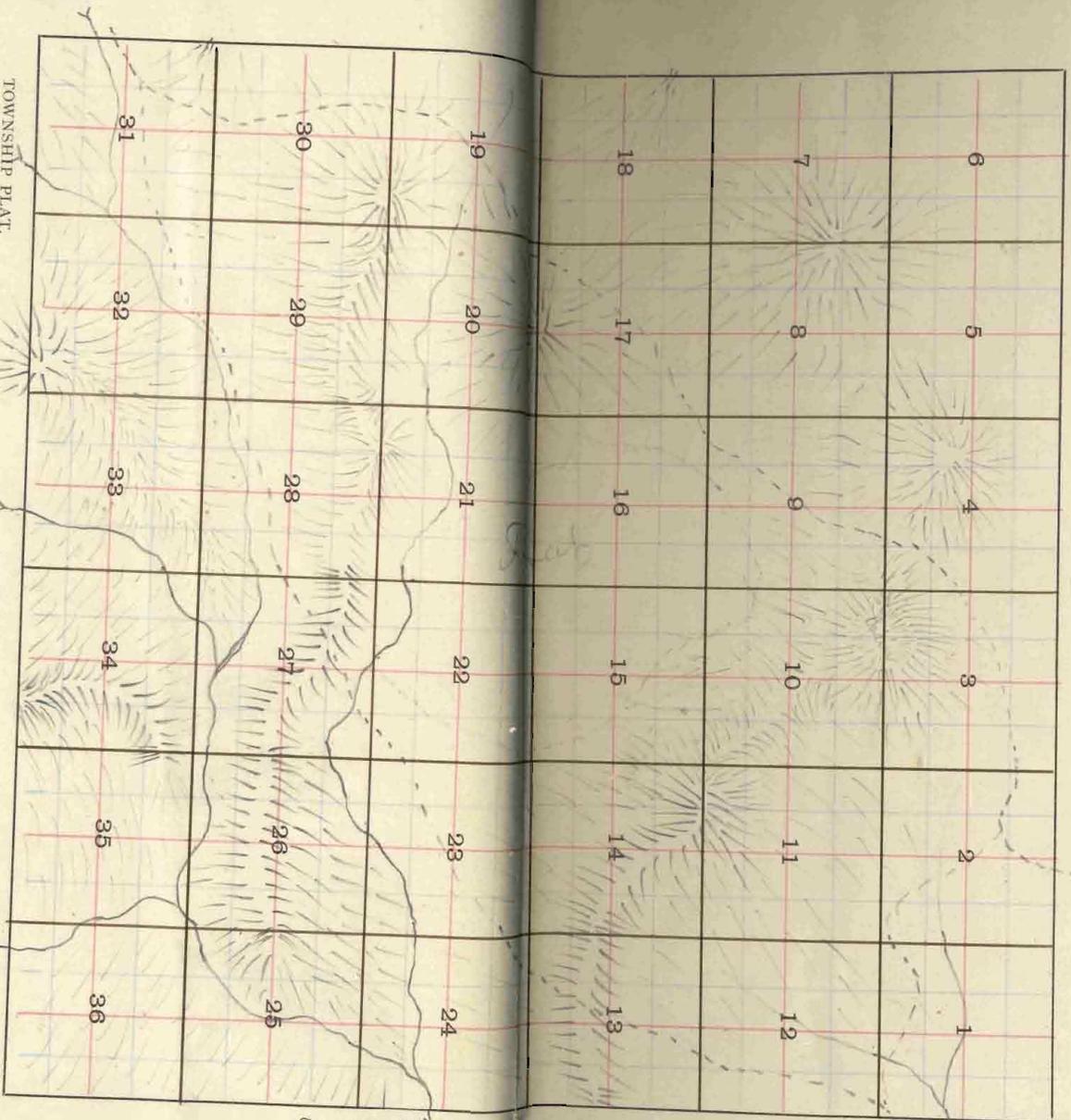
1882, having been

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.

Township No. *24 N* Range No. *7 East* — *Sec 18* Meridian.



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