

Book No. ~~171~~

*See
also
referred
to
see
H. A. Coe*

H. A. Coe Deputy Surveyor.

T. 12 N. R. 18 E.

Gila and Salt River Meridian.

No-106

106

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

BY

H. A. Coe Deputy Surveyor.

Under his Contract of July 25th 1882

Survey Commenced May 8th 1883

Survey Completed May 16th 1883

No-106

Platted,
Copied for Washington,
Copied for Register,

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

Copyright Secured,

Entered according to Act of Congress, in the Clerk's Office of the Librarian of Congress at Washington, D. C., in the year 1880.

H. A. Coe Deputy Surveyor.

T. 12 N. R. 18 E.

Gila and Salt River Meridian.

No-106
FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

BY

H. A. Coe Deputy Surveyor.

Under his Contract of July 25. 1882

Survey Commenced May 8. 1883

Survey Completed May 10. 1883

*Platted,
Copied for Washington,
Copied for Register,*

1A

BOOK 106

Township 12 North, Range 18 East,
Gila and Salt River Base and 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

0/16

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

Copyright Secured.

Entered according to Act of Congress, in the Clerk's Office of the Librarian of Congress at Washington, D. C., in the year 1880.

Township

Range

BOOK

106

Meridian.

13

For preliminary
notes and description
of instrument see
Book No. 1-

*Survey made with Burt's Patent Improved Solar
Compass, nearly new, and in first rate order. Made
by Otto Fennel of Cassel
Germany in 1881*

(See previous page)

Chains

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

previously set by me.

Variation $14^{\circ} 12'$ East.

Descend.

10.10

Enter Valley, bears $N. 10^{\circ} W.$

11.26

Cross Wash, 16 lks. wide, Course $N. 12^{\circ} W.$

40.00

Set a Sand stone $14 \times 8 \times 8$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on face, and raised a mound of stone alongside. Pits impracticable.

66.00

Cross Wash, 15 lks. wide, Course $N. E.$ and ascend.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 25, 26, 35 & 36 marked T. 12 N. S. 25 on N. E., R. 18 E., S. 36 on S. E., S. 35 on S. W., and S. 26 on N. W. faces, with | notch on S. and | notch on E. edges, from which

A Yellow Pine 11 ins diam. bears $N. 16^{\circ} E.$ 16 lks. dist. marked T. 12 N. R. 18 E. S. 25 B. T.

A Yellow Pine 11 ins diam. bears $N. 18^{\circ} W.$ 2.15 lks. dist. marked T. 12 N. R. 18 E. S. 26 B. T.

A Yellow Pine 15 ins diam. bears $S. 84^{\circ} E.$ 57 lks. dist. marked T. 12 N. R. 18 E. S. 36 B. T.

A Yellow Pine 21 ins diam. bears $S. 46^{\circ} W.$ 1.26 lks. dist. marked T. 12 N. R. 18 E. S. 35 B. T.

Land rolling.

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass

Township 12 N Range 18 E²
Gila and Salt River Meridian.

Chains

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

Variation 14° 15' East.*Descend.*

- 24.00 Enter Valley, bears N. E.
- 29.40 Cross Wash, 10 fks. wide, Course N.
- 37.00 Leave Valley, bears N. S. and ascend.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 63.00 Top of Hill bears N. 10° E. S. 10° W and descend.
- 79.76 Intersect E. B. of Twp. 38 fks. N. of cor. to secs.
previously set by me.
- 25.30. 31.30 from which corner, I run
N. 89° 44' W. on a true line, between sections 25 & 36
Variation 14° 00' East.
- 39.88 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 which
A Yellow Pine 10 ins diam. bears N. 33° E. 1.14 fks. dist.
marked $\frac{1}{4}$ S. B. T.
- A Yellow Pine 10 ins diam. bears S. 28° W. 2.14 fks. dist.
marked $\frac{1}{4}$ S. B. T.
- 79.76 The corner to sections 25. 26. 35 & 36
Land hilly.
Soil 3rd rate
Timber of Pin & Juniper.
Vegetation. Grass.

Chains North, between Sections 25 and 26.

Variation 14° 15' East.

Ascend.

- 32.00 Top of Ridge, bears N. 10 1/2° E. S. 10 1/2° and descend.
- 40.00 Set a Sand stone 20 x 12 x 5 ins., 15 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, dug pits 18 x 18 x 12 ins., N. and S. of stone 7 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base all side. from which
- A Yellow Pine 10 ins diam. bears N. 33° W. 33 lks. dist. marked 1/2 S. B. T.
- A Juniper 11 ins. diam. bears S. 46° E. 1 1/2 lks. dist. marked 1/2 S. B. T.
- 57.65 Cross Road, bears, E. & W.
- 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 23, 24, 25 & 26 marked T. 12 N. S. 24 on N. E., R. 18 E., S. 26 on S. E., S. 26 on S. W., and S. 23 on N. W. faces, with 2 notches on S. and 1 notch on E. edges, from which
- A Yellow Pine 26 ins diam. bears N. 38 1/2° E. 70 lks. dist. marked T. 12 N. R. 18 E. S., 24 B. T.
- A Yellow Pine 15 ins diam. bears N. 57 1/2° W. 26 lks. dist. marked T. 12 N. R. 18 E. S., 23 B. T.
- A Juniper 9 1/2 ins. diam. bears S. 33 1/4° E. 14 1/2 lks. dist. marked T. 12 N. R. 18 E. S., 25 B. T.
- A Juniper 12 ins. diam. bears S. 27° W. 17 1/2 lks. dist. marked T. 12 N. R. 18 E. S., 26 B. T.

Land mountainous

Soil 2000 ft. rate

Timber of Pine & Juniper & Oak

Vegetation. Grass

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

Variation

14° 15'

East.

Ascend.

27.60 Top of Ridge, bears N. 31 $\frac{1}{2}$ ° E. & S. 31 $\frac{1}{2}$ ° W. and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

43.00 Enter Valley, bears N. 13° E. & S. 13° W.

47.40 Cross Wash, 14 fks. wide, Course N. 22 $\frac{1}{2}$ ° E.

54.00 Leave Valley, and ascend gradually

73.20 Top of Ridge, bears N. 40° E. & S. 40° W. and descend.

80.30 Intersect E. B. of Tp. 15 fks. N. of cor. to secs.

previously set by me.

19.24. 25 & 3 from which corner, I run

N. 89° 54' W. on a true line, between sections 24 & 25

Variation 13° 45' East.

40.15 Set a Sand stone 13 x 8 x 8 ins., 9 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.

80.30 The corner to sections 23, 24, 25 & 26

Land mountainous & rolling.

Soil 2^m & 3⁵⁰ rate

Timber of Pine, Oak & Juniper.

Vegetation. Grass.

Chains

North, between Sections 23 and 24.

Variation $14^{\circ} 10'$ East.

Descend.

through timber.

2.20 Leave timber bears N. E. & S. W.

4.50 Enter Valley, bears N. 40° E. & S. 40° W.24.30 Cross Road, bears N. 48° E. & S. 48° W.40.00 Set a ^{Post} 3 ft. long 3 ins. diam. with marked stone 12in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face,dug pits 18 x 18 x 12 ins N and S, of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $5\frac{1}{2}$

ft. base around post.

41.80 ^{Willow} Cross Creek 10 fms. wide, Course N. E.

47.20 Leave Valley, bears N. E. & S. W. 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. 13, 14, 23 & 24

marked T. 12 N. S. 13, on N, E, R, 18 E., S. 24

on S, E, S, 23 on S, W, and S, 24 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.

Land rolling.

Soil 2nd & 3rd rate

Timber of Pine, Oak & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.
Gila and Salt River Meridian.

Chains East, on a random line between Sections 13 and 24.
Variation $14^{\circ} 16'$ East.

Descend.

- 27.00 Enter Valley, bears N. E. & S. W.
32.50 ^{Willow} Cross Creek 21 lks. wide, Course N. 47° E.
33.50 Cross Road, bears, N. E. and S. W.
40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
68.50 Leave Valley, bear N. 50° E. S. 50° W. and ascend.
74.00 Enter timber bears N. & S.
80.17 Intersect E. B. of Tp. 13 lks. S. of cor. to secs.
^{previously set by me,}
13. 18. 19. 24 from which corner, I run
S. $89^{\circ} 54'$ W. on a true line, between sections 13 & 24
Variation $13^{\circ} 45'$ East.
40.08 Set a Sand stone $23 \times 13 \times 6$ ins., 19 ins.
in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face,
dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

80.17 The corner to sections 13. 14. 23 & 24
Land rolling.

Soil 2nd & 3rd rate

Timber of Pine, Juniper

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 13 and 14.

Variation 14° 16' East.

Ascend.

13.00 Top of Ridge, bears N. 55° E., S. 35° W. and descend.

13.50 Enter timber bears E. W.

16.41 Descend.

40.00 Set a Sand stone 13 x 12 x 5 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.

41.28 Enter Valley, bears N. 41° E., S. 41° W.

52.00 Cross Wash, 22 fks. wide, Course N. 38° E.

57.70 Cross Road, bears N. E. & S. W.

78.00 Leave Valley, bears N. 25° E., S. 25° W. and ascend.

80.00 Set a post 4 ft. long, $\frac{1}{2}$ ins. square, with marked stone
 12 ins. in the ground, for Cor. to Secs. 11, 12, 13 & 14
 marked T/2 N, S, 12, on N, E, R, 18 E, S, 13
 on S, E, S, 14 on S, W, and S, 11 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 1/2 ft, dist.,
 and raised a mound of earth 2 ft, high, 4 1/2 ft, base
 around post.

Land mountainous & rolling.

Soil 3rd rate

Timber of Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.

Descend. through timber.

12.00 Enter Valley, bears N. 20° E. & S. 20° W.29.66 Cross Road, bears N. 15° E. & S. 15° W.33.00 ^{Willow} Cross Creek 20 kls. wide, Course N. $37\frac{1}{2}^{\circ}$ E.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.58.00 Cross Road, bears N. 64° W. & S. 64° E.59.60 Leave Valley, bears N. 30° E. and ascend.

80.08 Intersect E. B. of Tp. 23 kls. N. of cor. to secs.

previously set by me.
7.12.13 & 18 from which corner, I runN. $89^{\circ} 58'$ W. on a true line, between sections 12 & 13Variation $18^{\circ} 45'$ East.40.04 Set a Sand stone $17 \times 12 \times 5$ ins., 12 ins.in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,dug pits $18 \times 18 \times 12$ ins., E. and W. of stone $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$

ft. base alongside. from which

A Juniper 8 ins. diam. bears N. 15° E. 6 kls. dist.marked $\frac{1}{4}$ S. B. T.A Juniper 16 ins. diam. bears S. 43° W. 1.16 kls. dist.marked $\frac{1}{4}$ S. B. T.

80.08 The corner to sections 11, 12, 13 & 14

Land rolling.

Soil 2nd & 3rd rate

Timber of Juniper.

Vegetation

Grass.

May 8, 1883

9 Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation $14^{\circ} 16'$ East.

Ascend. through timber.

40.00 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 W. face; from which

A Juniper 14 ins. diam. bears $N. 31^{\circ} E. 144$ kts. dist. marked $\frac{1}{2}$ S. B. T.

A Juniper 8 ins. diam. bears $S. 62^{\circ} W. 97$ kts. dist. marked $\frac{1}{2}$ S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 1, 2, 11 & 12 marked T. 12 N. S. 1 on N. E., R. 18 E., S. 12 on S. E., S. 11 on S. W., and S. 2 on N. W. faces, with 5 notches on S. and 1 notch on E. edges, from which

A Juniper 8 ins. diam. bears $N. 16^{\circ} E. 14$ kts. dist. marked T. 12 N. R. 18 E. S., 1 B. T.

A Juniper 9 ins. diam. bears $S. 43^{\circ} W. 36$ kts. dist. marked T. 12 N. R. 18 E. S., 11 B. T.

A Juniper 13 ins. diam. bears $S. 71^{\circ} E. 19$ kts. dist. marked T. 12 N. R. 18 E. S., 12 B. T.

A Juniper 7 ins. diam. bears $N. 62^{\circ} W. 47$ kts. dist. marked T. 12 N. R. 18 E. S., 2 B. T.

Land rolling.

Soil 3rd rate.

Timber of Juniper

Vegetation. Grass,

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.7988 Intersect E. B. of Tp. 21 lks. N. of cor. to secs.
16.7 * 12 from which corner, I run
previously set by me.N. 89° 51' W on a true line, between sections 1 & 12
Variation 13° 45' East.3994 Set a Sand stone 17 x 12 x 4 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 copper 3 ins. diam. bears N. 46° E. 1.18 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 17 ins. diam. bears N. 24° W. 40 lks. dist.
marked $\frac{1}{4}$ S. B. T.

7988 The corner to sections 1, 2, 11 & 12

Land rolling.

Soil 3rd rate

Timber of Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains *true.*
 North, on a ~~run~~ line between Sections 1 and 2.
 Variation 14° 16' East.

Descend.
 40.00 Set a Sand stone 16 x 12 1/2 x 5 1/2 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.

42.30 Intersect the 3rd Standard Parallel North at a point 18.23 chs. West of the Standard ^{$\frac{1}{4}$ Sec.} Cor. to on S. B. of Secs. 30 and T. 13 N. R. 18 E. ... previously described.

Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for ^{clearing} Cor. to Secs. 1 and 2 marked C. C. T. 12 N. R. 18 E., on S. 1 on E. and 2 on W. faces, with 1 notch on E and 3 notches on W. ^{face} 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. from which

A Juniper 13 ins. diam. bears S. 37° W. 40 kts. dist. marked T. 12 N. R. 18 E. S., 2 B. T.

A Juniper 13 ins. diam. bears S. 84° E. 27 1/2 kts. dist. marked T. 12 N. R. 18 E. S., 1 B. T.

No other trees within limits.
 Land mountainous.
 Soil 3rd rate
 Timber of Juniper & Pine.
 Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

From the corner to sections, 2, 8, 84 & 35 on S. 18. 4 1/2 ft.
 previously set by me. 3 1/2 ft
 North, between Sections 34 and 35.

Variation 14° 14' East.

Descend. gradually through timber.
 6.00 Anthony's House bears East about 2 1/2 mls. dist.
 40.00 Set a sand stone 12 x 12 x 10 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.

44.00 Enter Valley, bears N. E. & S. W.

48.50 Cross Road, bears N. 41° E. & S. 41° W.

57.00 Cross Wash, 10 lks. wide, Course N. 48° E.

72.00 Leave Valley, bears N. 34° E. & S. 34° W.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
 for Cor. to Secs. 26, 27, 34 & 35 marked T. 12 N.
 S. 26 on N. E., R. 18 E., S. 35 on S. E., S. 34 on
 S. W., and 27 on N. W. faces, with 1 notch on
 S. and 2 notches on E. edges, from which

A Yellow Pine 9 ins diam. bears S. 40° E., 2.20 lks. dist.
 marked T. 12 N. R. 18 E., S., 30 B. T.

A Yellow Pine 14 ins diam. bears S. 20° W., 46 lks. dist.
 marked T. 12 N. R. 18 E., S., 34 B. T.

A Juniper 7 ins. diam. bears N. 65° E., 1.00 lks. dist.
 marked T. 12 N. R. 18 E., S., 26 B. T.

A Juniper 15 ins. diam. bears N. 47° W., 1.4 lks. dist.
 marked T. 12 N. R. 18 E., S., 27 B. T.

Land rolling.

Soil 2nd & 3rd rate.

Timber of Juniper & Pine.

Vegetation. Grass.

Chains

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

Variation $14^{\circ} 15'$ East.

Descend. through timber

5.00

Enter Valley, bears N. E. & S. W.

8.27

Cross Road, bears N. 7° E. & S. 7° W.

15.00

Cross Wash, 20 lks. wide, Course N. 30° E.

16.70

Cross Wash, 20 lks. wide, Course S. 40° E.

17.46

Cross Wash, 20 lks. wide, Course N. 5° E.

38.20

Cross ^{Willow} Creek 18 lks. wide, Course N. 15° W.

40.00

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

46.00

Leave Valley, bears N. & S. and ascend.

72.00

Top of Ridge, bears N. & S. and descend.

80.10

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

25, 26, 30, 36 from which corner, I run

N. $89^{\circ} 54' W.$ on a true line between sections 26 & 30Variation $14^{\circ} 15'$ East

4005-

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.

80.10

The corner to sections 26, 27, 34 & 30

Land mountainous & rolling.

Soil 2nd & 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation 14° 15' East.

Ascend. gradually through timber

5.34 Cross Road, bears N. 75° E. & S. 75° W.

32.00 Top of Ridge, bears N. 13° E. & S. 12° W. and descend.

40.00 Set a Sand stone 28 x 13 x 7 ins., 21 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 15 ins diam. bears N. 28° E. 1.76 kts. dist. marked 1/4 S. B. T.

A Yellow Pine 17 ins diam. bears S. 87° W. 2.14 kts. dist. marked 1/4 S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,

for Cor. to Secs. 22, 23, 26 & 27 marked T. 12 N.

S. 23 on N. E., R. 18 E., S. 26 on S. E., S. 27 on

S. W., and S. 22 on N. W. faces, with 2 notches on

S. and 2 notches on E. edges, from which

A Yellow Pine 9 ins diam. bears N. 65° E. 2.17 kts. dist. marked T. 12 N. R. 18 E., S., 23 B. T.

A Yellow Pine 13 ins diam. bears N. 14° W. 1.63 kts. dist. marked T. 12 N. R. 18 E., S., 22 B. T.

A Juniper 10 ins. diam. bears S. 35° W. 1.19 kts. dist. marked T. 12 N. R. 18 E., S., 27 B. T.

A Juniper 7 ins. diam. bears S. 53° E. 2.11 kts. dist. marked T. 12 N. R. 18 E., S., 26 B. T.

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.

38.00 Descend. through timber.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.42.00 Leave timber bears N. 10° E. S. 10° W.43.20 Enter Valley, bears N. 41° E. S. 41° W.48.16 ^{Walter} Cross Creek 28 lks. wide, Course N. 32° E.57.27 Cross Road, bears, N. 28° E. S. 28° W.78.00 Enter timber bears N. 26° E. S. 26° W.

Leave Valley, bears N. & S. and ascend.

80.41 Intersect N. & S. line. 19 lks. S. of cor. to secs.

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

S. $89^{\circ} 52'$ W. on a true line between sections 23 & 26Variation $14^{\circ} 15'$ East40.20 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 10 ins. diam. bears N. $15\frac{1}{2}^{\circ}$ E. 2.10 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 13 ins. diam. bears N. 47° W. 1.68 lks. dist.
marked $\frac{1}{4}$ S. B. T.

80.41 The corner to sections 22, 23, 26 & 27

Land rolling.

Soil 2nd & 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township

12 N

Range

18 E

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation $14^{\circ} 10'$ East.Descend. *gradually through*

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. 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 Juniper 15 ins. diam. bears $S. 21^{\circ} W.$ 60 lks. dist.marked $\frac{1}{4}$ S. B. T. No other trees within limits.

57.00

Cross low Sag and ascend.

89.00

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, $1/2 N. S.$ 14, on N, E, R, 18 E, S. 23

on S, E, S, 22 on S. W, end S, 15 on N, W. face

with 3 notches on S, and 2 notches on E. sides,

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.

Land rolling.

Soil 3^{rd} rate.

Timber of Juniper.

Vegetation. Grass.

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

May 9, 1883

Township

12 N.

Range

18 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.

Ascend.

27.00 Top of Ridge, bears $N. 40^{\circ} E.$ $\frac{1}{4}$ Sec. $\frac{1}{4}$ and descend.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.69.50 Leave timber bears $N. \& S.$ 79.78 Intersect $N. \& S.$ line, 43 lks. $S.$ of cor. to secs.

3.14. 23 & 24 from which corner, I run

 $S. 89^{\circ} 42' W.$ on a true line between sections 14 & 23Variation $14^{\circ} 16'$ East39.89 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 7 ins. diam. bears $S. 10^{\circ} W.$ 57 lks. dist.
marked $\frac{1}{4} S. B. T.$ A Juniper 13 ins. diam. bears $N. 21^{\circ} W.$ 60 lks. dist.
marked $\frac{1}{4} S. B. T.$

79.78 The corner to sections 14, 15, 22 & 23

Land mountainous

Soil C^{nd} rate

Timber of Pine & Juniper

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains North, between Sections 14 and 15.

Variation 14° 16' East.

Descend.

33.17
40.00

Cross Road, bears N. 57½° E. & S. 57½° W.
Set a Sand stone 24 x 18 x 10 ins., 18
ins. in the ground, for ¼ Sec. Cor., marked ¼ on W.
face, and raised a mound of stone alongside. Pits
impracticable.

from which

A Juniper 11 ins. diam. bears N. 36½° E. 177/8 lks. dist.
marked ¼ S. B. T.

A Juniper 9 ins. diam. bears S. 64° W. 2.31 lks. dist.
marked ¼ S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
for Cor. to Secs. 10, 11, 14 & 15 - marked T. 12 N.
S. 11 on N. E., R. 18 E., S. 14 on S. E., S. 15 on
S. W, and S. 10 on N. W. faces, with 4 notches on
S. and 2 notches on E. edges, from which

A Juniper 14 ins. diam. bears N. 46° E. 17 lks. dist.
marked T. 12 N. R. 18 E. S., 11 B. T.

A Juniper 10 ins. diam. bears S. 17° E. 36 lks. dist.
marked T. 12 N. R. 18 E. S., 14 B. T.

A Juniper 10 ins. diam. bears S. 84½° W. 57 lks. dist.
marked T. 12 N. R. 18 E. S., 15 B. T.

A Juniper 7 ins. diam. bears N. 45° W. 1.2 lks. dist.
marked T. 12 N. R. 18 E. S., 10 B. T.

Land mountainous

Soil 3rd rate

Timber of Juniper & Pine.

Vegetation. Grass.

Township 12 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.

Ascend.

31.20 Top of Ridge, bears $N. 22^{\circ} E. 3.22 \frac{1}{2}$ and descend.

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

79.84 Intersect N. & S. line. 23 $\frac{1}{2}$ kts. N, of cor. to secs.

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

$N. 89^{\circ} 49' W.$ on a true line between sections 11 & 14

Variation $14^{\circ} 16'$ East

37.92 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 which

A Juniper 13 ins. diam. bears $N. 48 \frac{1}{2}^{\circ} E$ 79 kts. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 10 ins. diam. bears $S 31 \frac{1}{2}^{\circ} W$ 61 kts. dist. marked $\frac{1}{4}$ S. B. T.

79.84 The corner to sections 10, 11, 14 & 15

Land mountainous

Soil 3^{rd} rate

Timber of Juniper & Pine.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains North, between Sections 10 and 11.

Variation 74° 16' East.

Descend.

21.00 Enter Valley, bears N. 13° E. S. 13° W.

27.00 Cross Wash, 12 lks. wide, Course N. E.

38.00 Leave Valley, bears N. E. S. W. and ascend.

40.00 Set a Sand stone 14 x 10 x 6 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.

A Juniper 13 ins. diam. bears N. 45° W. 6 1/2 lks. dist. marked 1/4 S. B. T.

A Juniper 10 ins. diam. bears N. 12° E. 4 1/2 lks. dist. marked 1/4 S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 2, 3, 10 & 11 marked T. 12 N. S. 2 on N. E., R. 18 E., S. 11 on S. E., S. 10 on S. W., and S. 3 on N. W. faces, with 5 notches on S. and 2 notches on E. edges, from which

A Juniper 17 ins. diam. bears N. 56° E. 5 1/2 lks. dist. marked T. 12 N. R. 18 E., S. 2 B. T.

A Juniper 10 ins. diam. bears S. 31° W. 4 1/2 lks. dist. marked T. 12 N. R. 18 E., S. 10 B. T.

A Juniper 5 ins. diam. bears S. 82° E. 1.9 lks. dist. marked T. 12 N. R. 18 E., S. 11 B. T.

A Juniper 9 ins. diam. bears N. 10° W. 2.3 lks. dist. marked T. 12 N. R. 18 E., S. 3 B. T.

Land Mountainous
Soil 3rd rate
Timber of Juniper
Vegetation Grass

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend. gradually through timber.

3.00

Enter Valley, bears N. 16° E. & S. 76° W.

11.00

Gross Wash, 15 lks. wide, Course N. 18° E.

29.00

Leave Valley, bears N. 22° E. & S. 2° W. ascend.

40.00

Set temporary 1/4 Sec. Cor.

75.00

Top of Ridge, bears N. 24° E. & S. 4° W. and descend.

80.00

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

12.11 & 12 from which corner, I run

89° 52' W. on a true line between sections 2 & 11

Variation 14° 16' East

40.03

Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 S. on N. face; from which

A Juniper 7 ins diam. bears N. 63° E. 75 lks. dist. marked 1/4 S. B. T.

A Juniper 12 ins. diam. bears S. 42° W. 24 lks. dist. marked 1/4 S. B. T.

80.00

The corner to sections 2, 3, 10 & 11

Land mountainous

Soil 2nd & 3rd rate

Timber of

Juniper.

Vegetation.

Grass.

Township

12 N.

Range

18 E.

BOOK

108

22

Gila and Salt River Meridian.

Chains.

North, on a ~~measured~~ ^{true.} line between Sections 2 and 3.Variation $14^{\circ} 16'$ East.

Ascend.

gradually.
Top of Ridge, bears $N. 10^{\circ} E.$ $S. 10'$ and descend.

2100
4000

Set a Sand stone $20 \times 15 \times 9$ 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.

4157

Intersect the 3rd Standard Parallel North at a point 17.83 chs. West - of the Standard ^{$\frac{1}{4}$ Sec.} Cor. to on S. B. of Sec. 35 and T. 22 N. R. 18 E. previously described.

Set a post, 4 ft. long, 4 ins. ^{wire marked str} square, 12 ins. in the ground, for ^{closing} Cor. to Secs. 2 and 3 marked C. C. T. 22 N. R. 18 E., on S. S. 2 on E. and S. 3 on W. faces, with 2 notches on E. and 4 notches 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. from which

A Juniper 7 ins. diam. bears $N. 28^{\circ} E.$ 266 yds. dist. marked T. 23 N. R. 18 E. S. 30 - B. T.

A Juniper 12 ins. diam. bears $S. 41^{\circ} W.$ 145 yds. dist. marked T. 22 N. R. 18 E. S. 3 - B. T.

A Juniper 10 ins. diam. bears $S. 61^{\circ} E.$ 227 yds. dist. marked T. 22 N. R. 18 E. S. 2 - B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate

Timber of Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

From the corner to sections, 3, 4, 33 & 34 on S. R. of Sp
previously set by me. *run*

Chains. North, between Sections 33 and 34.

Variation 14° 14' East.Ascend. *very gradually.*

40.00

Set a *Sand* stone 20 x 16 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 Juniper 9 ins. diam. bears N. 53° E. 1.76 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A Juniper 10 ins. diam. bears S. 34° W. 2.7 lks. dist.
marked $\frac{1}{4}$ S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
for Cor. to Secs. 27, 28, 33 & 34 marked T. 12 N.
S. 27 on N. E., R. 18 E., S. 34 on S. E., S. 33 on
S. W., and S. 28 on N. W. faces, with / notches on
S. and 3 notches on E. edges, from which

A Juniper 8 ins. diam. bears S. 7° W. 1.78 lks. dist.
marked T. 12 N. R. 18 E. S. 33 B. T.

A Juniper 13 ins. diam. bears S. 67° E. 1.47 lks. dist.
marked T. 12 N. R. 18 E. S. 34 B. T.

A Juniper 9 ins. diam. bears N. 25° W. 2.14 lks. dist.
marked T. 12 N. R. 18 E. S. 28 B. T.

A Juniper 11 ins. diam. bears N. 10° E. 2.6 lks. dist.
marked T. 12 N. R. 18 E. S. 27 B. T.

Land mountainous

Soil 3rd rateTimber of Pine & Juniper.Vegetation. Grass.

Township

12 N

Range

18 E

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Ascend.

16.00 Top of Ridge, bears N 20° E. & descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.47.95 Cross Road, bears N. 82 $\frac{1}{2}$ ° W. & S. 82 $\frac{1}{2}$ ° E.

56.00 Cross Road, bears N. 80° E. & S. 80° W.

79.81 Intersect N. & S. line. 65 lks. N. of cor. to secs.

26.27.34.35 from which corner, I run

N. 87° 32' W. on a true line between sections 27 & 34

Variation 14° 15' East

39.90 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 13 ins. diam. bears N. 20° E. 1.23 lks. dist. marked $\frac{1}{4}$ S. B. T.A Juniper 11 ins. diam. bears S. 52° W. 1.27 lks. dist. marked $\frac{1}{4}$ S. B. T.

79.81 The corner to sections 27. 28. 33 & 34

Land mountainous

Soil 3rd rate

Timber of Juniper & Pine.

Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 27 and 28.

Variation $14^{\circ} 16'$ East.*Descend.*11.00 Gross Wash, 12 lks. wide, Course N. 83° E.40.00 Set a Sand stone $15 \times 10 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits impracticable.

68.00 Enter Valley, bears N. E. S. W.

78.10 Gross Wash, 12 lks. wide, Course N. 50° E.80.00 Set a Lava stone $28 \times 13 \times 7$ ins. $2\frac{1}{2}$ ins. in the ground for Cor. to Secs. 21, 22, 27, & 28 marked with 2 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.A Yellow Pine 10 ins diam. bears ^{from which} N. 80° E, 54 lks. dist. marked T. 12 N. R. 18 E, S., 22 B. T.A Yellow Pine 15 ins diam. bears N. 46° W. 19 lks. dist. marked T. 12 N. R. 18 E, S., 21 B. T.A Yellow Pine 10 ins diam. bears S. $16\frac{1}{2}^{\circ}$ W. 21 lks. dist. marked T. 12 N. R. 18 E, S., 28 B. T.

No other trees within limits.

Land mountainous

Soil 2nd & 3rd rate

Timber of Pine & Juniper

Vegetation.

Grass.

May 10, 1883

Township 12 N. Range 78 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend.

- .28 Gross Wash, 12 lks. wide, Course N. 11° W. and ascend.
- 27.00 Top of Hill bears N. & S. and descend.
- 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
- 80.12 Intersect N. & S. line, 23 lks. N. of cor. to secs.
22. 23. 26. 27 from which corner, I run
189° 50' W. on a true line between sections 22 & 27
 Variation 14° 16' East
- 40.06 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 Juniper 11 ins. diam. bears N. 32° E. 2.13 lks. dist.
 marked $\frac{1}{2}$ S. B. T.
- a Juniper 10 ins. diam. bears S. 21 $\frac{1}{2}$ ° W. 1.9 lks. dist.
 marked $\frac{1}{2}$ S. B. T.
- 80.12 The corner to sections 21. 22. 27 & 28
 Land mountainous
 Soil 2nd & 3rd rate
 Timber of Juniper & Pine.
 Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation 14° 16' East.

Descend.

- 3.00 Gross Wash, 23 lks. wide, Course N. 55° W.
- 12.83 Gross Wash, 27 lks. wide, Course N. 76° E.
- 14.70 Leave timber bears N. E. & S. W.
- 40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins. N. and S. of ^{post} ~~stone~~ 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base ~~4~~ ^{ground} ~~side~~ ^{post}.
- 42.20 Leave Valley, bears N. 45° E. and ascend.
- 47.00 Enter timber bears N. 40° E.
- 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 15, 16, 21 & 22 marked T. 12 N. S. 15 on N. E., R. 18 E., S. 22 on S. E., S. 21 on S. W., and S. 16 on N. W. faces, with 3 notches on S. and 3 notches on E. edges, from which
 A Juniper 13 ins. diam. bears N. 36° E. 1.24 lks. dist. marked T. 12 N. R. 18 E. S. 15 B. T.
 A Juniper 7 ins. diam. bears N. 27 1/2° W. 4 1/2 lks. dist. marked T. 12 N. R. 18 E. S. 16 B. T.
 A Juniper 20 ins. diam. bears S. 61° W. 2.28 lks. dist. marked T. 12 N. R. 18 E. S. 21 B. T.
 A Juniper 14 ins. diam. bears S. 7° E. 1.16 lks. dist. marked T. 12 N. R. 18 E. S. 22 B. T.
 Land mountainous
 Soil ³⁰⁰ rate
 Timber of Pine & Juniper
 Vegetation. Grass.

Township 12 N. Range 18 E.
Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.Descend. *through timber*31.40 Enter Valley, bears $N. 40^{\circ} E.$ & $S. 40^{\circ} W.$ 38.15 - Gross Wash, 17 lks. wide, Course $N. 42^{\circ} E.$ 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.Leave Valley, bears $N. E.$ & $S. W.$ and ascend.67.50 Top of *Insa* bears $N. E.$ & $S. W.$ and descend80.19 Intersect $N.$ & $S.$ line, 6 lks. $N.$ of cor. to secs.

14.15.22.23 from which corner, I run

 $N. 89^{\circ} 57' W.$ on a true line between sections 15 & 22Variation $14^{\circ} 16'$ East

40.09 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 which
A Juniper 12 ins. diam. bears $N. 26\frac{1}{2}^{\circ} E. 1.17$ lks. dist.
marked $\frac{1}{4}$ S. B. T.

A Juniper 8 ins. diam. bears $S. 34^{\circ} W. 90$ lks. dist.
marked $\frac{1}{4}$ S. B. T.

80.19 The corner to sections 15, 16, 21 & 22
Land mountainous

Soil 3^{rd} rateTimber of *Asie & Juniper*Vegetation. *Grass.*

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 15 and 16.

Variation $14^{\circ} 10'$ East.

Ascend. gradually.

6.70

Cross Road, bears $S. 76^{\circ} W. + N. 76^{\circ} E.$

40.00

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 W. face; from whichA Juniper 17 ins. diam. bears $S. 63^{\circ} E. 96$ lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper \emptyset ins. diam. bears $N. 56^{\circ} W. 76$ lks. dist.
marked $\frac{1}{2}$ S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
for Cor. to Secs. 9, 10, 15 & 16 marked T. R. N.
S. 10 on N. E., R. 18 E., S. 15 on S. E., S. 16 on
S. W., and S. 9 on N. W. faces, with 4 notches on
S. and 3 notches on E. edges, from whichA Juniper 14 ins. diam. bears $N. 33\frac{1}{4}^{\circ} W. 27$ lks. dist.
marked T. R. N. R. 18 E. S., 9 B. T.A Juniper 7 ins. diam. bears $N. 7^{\circ} E. 121$ lks. dist.
marked T. R. N. R. 18 E. S., 10 B. T.A Juniper 16 ins. diam. bears $S. 62\frac{1}{2}^{\circ} E. 65$ lks. dist.
marked T. R. N. R. 18 E. S., 15 B. T.A Juniper 10 ins. diam. bears $S. 81^{\circ} W. 110$ lks. dist.
marked T. R. N. R. 18 E. S., 16 B. T.

Land mountainous

Soil good rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.Descend. *gradually.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.56.00 Enter Valley, bears $N. 13^{\circ} E.$ & $S. 13^{\circ} W.$ 68.20 Cross Wash, 12 yds. wide; Course $N. 8^{\circ} E.$ 76.00 Leave Valley, bears $N. 15^{\circ} E.$ & $S. 15^{\circ} W.$ Ascend.80.02 Intersect N. & S. line, 10 yds. $N.$ of cor. to secs.

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

 $N. 89^{\circ} 56' W.$ on a true line between sections 10 & 15Variation $14^{\circ} 16'$ East40.01 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 15 ins. diam. bears $N. 36^{\circ} E.$ 1.40 yds. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 11 ins. diam. bears $N. 61^{\circ} W.$ 72 yds. dist.
marked $\frac{1}{4}$ S. B. T.

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

Land mountainous

Soil *grd* rateTimber of *Pine & Juniper.*Vegetation. *Grass.*

31 Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains North, between Sections 9 and 10.

Variation $14^{\circ} 16'$ 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, digits; 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.

38.00

Top of Ridge, bears N. E. & S. W. and descend.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 3, 4, 9, 10 marked T. 12 N. S. 3 on N. E., R. 18 E., S. 10 on S. E., S. 9 on S. W., and S. 4 on N. W. faces, with 3 notches on S. and 3 notches on E. edges, from which

A Juniper 11 ins. diam. bears N. 15° E. 217 lks. dist. marked T. 12 N. R. 18 E. S. 3 B. T.

A Juniper 15 ins. diam. bears S. 36° E. 176 lks. dist. marked T. 12 N. R. 18 E. S. 10 B. T.

A Juniper 10 ins. diam. bears N. $14\frac{1}{4}^{\circ}$ W. 45 lks. dist. marked T. 12 N. R. 18 E. S. 4 B. T.

A Juniper 4 ins. diam. bears S. 83° W. 132 lks. dist. marked T. 12 N. R. 18 E. S. 9 B. T.

Land mountainous

Soil *3rd* rate

Timber of *Aspen & Juniper.*

Vegetation. *Grass.*

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Ascend.

125.0 Top of Ridge, bears N. 30° E. 8.30 W and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.80.14 Intersect N. & S. line, 15 lks. N., of cor. to secs.S. 3. 10 & 11 from which corner, I runN. 89° 54' W. on a true line between sections 3 & 10Variation 14° 16' East40.07 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 whichA Juniper 11 ins. diam. bears N. 19 $\frac{1}{2}$ ° W. 1.00 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper 7 ins. diam. bears S. 22 $\frac{1}{4}$ ° E. 0.03 lks. dist.
marked $\frac{1}{2}$ S. B. T.80.14 The corner to sections 3. 4. 9 & 10

Land mountainous

Soil 3rd rateTimber of Pine & Juniper.Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, on a ~~range~~^{true} line between Sections 3 and 4.Variation $14^{\circ} 16'$ East.

Descend. through timber.

40.00

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 W. face; from whichA Juniper 23 ins. diam. bears $N. 65^{\circ} E.$ 1.40 lks. dist. marked $\frac{1}{2}$ S. B. T.A Juniper 17 ins. diam. bears $S. 21^{\circ} W.$ 230 lks. dist. marked $\frac{1}{2}$ S. B. T.

40.33

Intersect the 3rd Standard Parallel North at a point 17.37 chs. West of the Standard ^{$\frac{1}{4}$ Sec.} Cor. to S. B. of Secs. 34 and T. 13 N. R. 18 E.,

previously described.

Set a post, 4 ft. long, 4 ins. ^{with marked stone} square, 12 ins. in the ground, for ^{closing} Cor. to Secs. 3 and 4 marked C. C.T. 12 N. R. 18 E., on S. S. 3 on E, and S. 4 on W. faces, with 3 notches on E and 3 notches on W. ^{edges} faces, dug pits 18 x 18 x 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.

from which

A Juniper 12 ins. diam. bears $S. 42\frac{1}{2}^{\circ} E.$ 216 lks. dist. marked T. 12 N. R. 18 E. S. 3 B. T.A Juniper 7 ins. diam. bears $S. 13^{\circ} W.$ 1.79 lks. dist. marked T. 12 N. R. 18 E. S. 4 B. T.

No other trees within limits.

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass. May 11. 1883

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

From the corner to sections, 4, 5, 32 & 33 m. S. E. of 7 1/2, previously set by me. Iron

Chains

North, between Sections 32 and 33.

Variation 14° 14' East.

Descend. gradually.

20.00 Cross Fence of Lomquist's Ranch bears N. 15° E.

20.50 Enter Valley, bears N. 25° E., S. 25° W.

33.50 Cross Fence bears, N. 85° W.

38.40 Cross Road, bears, N. 10° E., S. 10° 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 1/2 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.

47.30 a Corral, 1. 45 cho. in dia.

50.00 Cross Wash, 20 lks. wide, Course N. 30° E.

52.00 Leave Valley, bears N. 30° W. and ascend.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 28, 29, 32, 33 marked T. 12 N. S. 28 on N. E., R. 18 E., S. 33 on S. E., S. 32 on S. W., and S. 29 on N. W. faces, with 1 notch on S. and 4 notches on E. edges, from which

1 Juniper 15 ins. diam. bears N. 47° E. 2.27 lks. dist. marked T. 12 N. R. 18 E. S. 28 B. T.

1 Juniper 13 ins. diam. bears S. 64° E. 1.26 lks. dist. marked T. 12 N. R. 18 E. S. 33 B. T.

1 Juniper 10 ins. diam. bears N. 47° W. 1.35 lks. dist. marked T. 12 N. R. 18 E. S. 29 B. T.

1 Juniper 11 ins. diam. bears S. 48° W. 2.14 lks. dist. marked T. 12 N. R. 18 E. S. 32 B. T.

and mountainous

Soil Good rate

Timber of Pine & Juniper

Vegetation

Township

R N.

Range

18 E.

Gila and Salt River Meridian.

Chains	East, on a random line between Sections 28 and 33.
	Variation $14^{\circ} 16'$ East.
	Descend. gradually.
19.20	Enter Valley, bears $N. 30^{\circ} E.$ & $S. 30^{\circ} W.$
25.00	Gross Wash, 25 lks. wide, Course $N. 17^{\circ} E.$
40.00	Set temporary $\frac{1}{4}$ Sec. Cor.
50.00	Leave Valley, bears $N. 25^{\circ} E.$ & $S. 25^{\circ} W.$ and ascend.
60.00	Cross Road, bears, $S. 71^{\circ} W.$ & $N. 71^{\circ} E.$
80.34	Intersect N. & S. line, 24 lks. S. of cor. to secs.
	27.28. 33 & 34 from which corner, I run
	$S. 89^{\circ} 50' W.$ on a true line between sections 28 & 33,
	Variation $14^{\circ} 16'$ East
40.18	Set a post 3 ft. long, 4 ins. diam 24 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face; from which
	A Juniper 13 ins. diam. bears $N. 40^{\circ} W.$ 2.27 lks. dist. marked $\frac{1}{4}$ S. B. T.
	A Juniper 20 ins. diam. bears $S. 50^{\circ} E.$ 2.34 lks. dist. marked $\frac{1}{4}$ S. B. T.
80.34	The corner to sections 28. 29. 32 & 33
	Land mountainous
	Soil 2 nd & 3 rd rate
	Timber of Pine & Juniper.
	Vegetation. Grass.

Township

R. 12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains.

North, between Sections 28 and 29.

Variation

14° 16'

East.

Over sitting land.

40.00 Set a Sand stone 18 x 10 x 9 ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, and raised a mound of stone alongside. Pits unpracticable.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 20, 21, 28, 29 marked T. 12 N. S. 21 on N. E., R. 18 E., S. 28 on S. E., S. 29 on S. W., and S. 20 on N. W. faces, with 2 notches on S. and 4 notches on E. edges, from which

A Juniper 9 ins. diam. bears N. 22° E. 1.77 lks. dist. marked T. 12 N. R. 18 E. S. 21 B. T.

A Juniper 5 ins. diam. bears N. 13° W. 2.11 lks. dist. marked T. 12 N. R. 18 E. S. 20 B. T.

A Juniper 7 ins. diam. bears S. 48½° E. 3.5 lks. dist. marked T. 12 N. R. 18 E. S. 28 B. T.

A Juniper 18 ins. diam. bears S. 63° W. 4.8 lks. dist. marked T. 12 N. R. 18 E. S. 29 B. T.

*Land mountainous**Soil 3rd rate**Timber of**Pine & Juniper.**Vegetation.**Grass.*

Chains. East, on a random line between Sections 21 and 28.
Variation 14° 16' East.

Descend.

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

55.00 Leave timber bear N. 60° E. & S. 60° W.

60.00 Enter Valley, bears N. 28° E. & S. 28° W.

76.00 Enter timber bear N. 15° E. & S. 15° W.

79.80 intersect N. & S. line, 8 lks. N. of cor. to secs.

21.22.27.28 from which corner, I run

N. 89° 57' W. on a true line between sections 21 & 28

Variation 14° 16' East

39.90 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.

from which

a Juniper 17 ins. diam. bears S. 24° E. 1.40 lks. dist.

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

No other trees within limits.

79.80 The corner to sections 20, 21, 28, & 29

Land rolling.

Soil 2nd & 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township

12 N.

Range

18 E.

38

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

14° 16'

East.

Over rolling land.

20.25 -

Cross Road, bears N. 38° E., S. 38° W.

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 whichA Juniper 10 ins. diam. bears N. 50° E. 28 lks. dist. marked $\frac{1}{4}$ S. B. T.A Pine 17 ins. diam. bears S. 71° W. 36 lks. dist. marked $\frac{1}{4}$ S. B. T.

48.90

Leave timber bears N. E. & S. W.

30.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 16, 17, 20 & 21 marked T, $\frac{1}{2}$ N. S, 16, on N, E, R, 18 E, S. 21 on S, E, S, 20 on S, W, 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.

Lumber rolling.

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation.

Grass.

Chains

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

Variation $14^{\circ} 16'$ East.

Over rolling land.

Descend.

32.00 Cross low Sag and ascend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.45.10 Top of Ridge, bears $N. 48^{\circ} E.$ $S. 48^{\circ} W.$ and descend.64.50 Cross Road, bears $N. 44^{\circ} E.$ $S. 44^{\circ} W.$

79.93 Intersect N. & S. line. 15 lks. N. of cor. to secs.

15.16.21.22 from which corner, I run

 $N. 89^{\circ} 54' W.$ on a true line between sections 16 & 21Variation $14^{\circ} 16'$ East39.96 Set a *Sound* stone 15 x 10 x 5 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. Pitsimpracticable. from which
A Juniper 14 ins. diam. bears $N. 35^{\circ} E.$ 1.00 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 7 ins. diam. bears $S. 40^{\circ} W.$.68 lks. dist.
marked $\frac{1}{4}$ S. B. T.

79.93 The corner to sections 16. 17. 20. 21

Land mountainous & rolling.

Soil *gr.* rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation $14^{\circ} 16'$ East.

Ascend.

15.00

Enter timber bears $N. 60^{\circ} E. \rightarrow S. 60^{\circ} W.$

35.00

Top of Ridge, bears $N. 40^{\circ} E. \rightarrow S. 40^{\circ} W.$ 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 whichA Juniper 13 ins. diam. bears $N. 15^{\circ} E. \rightarrow 72$ lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 17 ins. diam. bears $S. 44^{\circ} W. \rightarrow 88$ lks. dist.
marked $\frac{1}{4}$ S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
for Cor. to Secs. 8, 9, 16 & 17 marked T. 12 N.
S. 9 on N. E., R. 18 E., S. 16 on S. E., S. 17 on
S. W., and S. 8 on N. W. faces, with 4 notches on
S. and 4 notches on E. edges, from whichA Juniper 15 ins. diam. bears $N. 51^{\circ} E. \rightarrow 16$ lks. dist.
marked T. 12 N. R. 18 E. S., & B. T.A Juniper 10 ins. diam. bears $N. 65^{\circ} W. \rightarrow 23$ lks. dist.
marked T. 12 N. R. 18 E. S., & B. T.A Juniper 12 ins. diam. bears $S. 72^{\circ} E. \rightarrow 1.75$ lks. dist.
marked T. 12 N. R. 18 E. S., & B. T.A Pine 7 ins. diam. bears $S. 7^{\circ} W. \rightarrow 1.9$ lks. dist.
marked T. 12 N. R. 18 E. S., & B. T.

Lands mountainous

Soil 3rd rateTimber of Pine & Juniper.
Vegetation. Grass.

Township

12 N.

Range

18 E

Gila and Salt River Meridian.

Chains

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

Variation

14° 16'

East.

*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.55.00 Top of Ridge, bears N. 10° E. \rightarrow S. 15° W. and descend.

80.46 Intersect N. & S. line. 30 lks. S. of cor. to secs.

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

89.47' W. on a true line between sections 9 & 16

Variation

14° 16'

East

40.23

Set a Sand stone 22 x 10 x 5 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 Juniper 7 ins. diam. bears N. 10° E. 1.2 lks. dist. marked $\frac{1}{4}$ S. B. T.A Juniper 13 ins. diam. bears S. 27° W. .63 lks. dist. marked $\frac{1}{4}$ S. B. T.

80.46

The corner to sections 8, 9, 10 & 17

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass

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

May 12, 1883

Township 2 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 14° 16' East.27.00
40.00

Descend.

Cross low sag & ascend.

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 W. face; from whichA Juniper 5 ins. diam. bears N. 57° E. 1.78 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Pine 17 ins. diam. bears N. 7 $\frac{1}{2}$ ° W. .79 lks. dist.
marked $\frac{1}{2}$ S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
for Cor. to Secs. 4, 5, 8 & 9 marked T. 12 N.
S. 4 on N. E., R. 18 E., S. 9 on S. E., S. 8 on
S. W., and S. 5 on N. W. faces, with 5 notches on
S. and 4 notches on E. edges, from whichA Juniper 11 ins. diam. bears N. 41° W. 1.26 lks. dist.
marked T. 12 N. R. 18 E. S., 5 B. T.A Juniper 7 ins. diam. bears N. 65° E. .79 lks. dist.
marked T. 12 N. R. 18 E. S., 4 B. T.A Juniper 15 ins. diam. bears S. 37° W. .33 lks. dist.
marked T. 12 N. R. 18 E. S., 8 B. T.A Juniper 10 ins. diam. bears S. 21° E. 1.75 lks. dist.
marked T. 12 N. R. 18 E. S., 9 B. T.

Land mountainous

Soil 3rd rate

Timber of

Vegetation.

Juniper.
Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend.

15.00 Cross low Sag and ascend.

40.00 Set temporary 1/4 Sec. Cor.

80.24 Intersect N. & S. line, 48 lks. S, of cor. to secs.

3. 4. 9. 10 from which corner, I run

S. 89° 39' W. on a true line between sections 4 & 9
Variation 14° 10' East

40.12 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,
for 1/4 Sec. Cor., marked 1/4 S. on N. face; from which

A Juniper 13 ins. diam. bears N. 65° E. 46 lks. dist.
marked 1/4 S. B. T.

A Juniper 7 ins. diam. bears S. 21° W. 87 lks. dist.
marked 1/4 S. B. T.

80.24 The corner to sections 4. 5. 8 & 9

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, on a ^{true.} ~~random~~ line between Sections 4 and 5.Variation 14° 16' East.

31.10 Descend.

39.79

Intersect the ^{3rd} Standard Parallel North at a point 16.22 chs. West of the Standard ^{1/4} Sec. on S. 13. of Cor. to Secs. 33 and T. 13 N. R. 18 E., previously described.

Set a Sand stone 27 x 12 x 12 ins. 21 ins. in the ground for Closing Cor. to Secs. 4 and 5 marked G. C. with 4 notches on E. and 2 notches on W. edges and raised a mound of stone. alongside.

Pits impracticable.

from which

A Juniper 11 ins. diam. bears N. 34° E., 4 1/2 kls. dist. marked T. 13 N. R. 18 E. S. 33 B. T.

A Juniper 14 ins. diam. bears S. 27° W. 1.72 kls. dist. marked T. 12 N. R. 18 E. S. 5 B. T.

No other trees within limits.

Land mountainous

Soil ^{3rd} rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N Range 18 E

Gila and Salt River Meridian.

From the corner to sections 6, 6. 31 & 32 on S. 18. of sp
previously set by me. *grinn*

Chains

North, between Sections 31 and 32.

Descend. Variation 14° 14' East.

30.00 *Languiet* House bears East about 30. *ch*, dist,
 40.00 Set a post 3 ft. long, 3 ins. diam 24 ins. in the ground,
 for 1/4 Sec. Cor., marked 1/4 S. on W. face; from which
 A Juniper 9 ins. diam. bears N. 31° E. 1.5 Mks. dist.
 marked 1/2 S. B. T.
 A Juniper 9 ins. diam. bears S. 8° W. 1.1 Mks. dist.
 marked 1/2 S. B. T.

74.00 **Cross Road**, bears N. 60° E. & S. 60° W.
 80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,
 for Cor. to Secs 29, 30, 31 & 32 marked T. 1/2 N.
 S. 29 on N. E., R. 18 E., S. 32 on S. E., S. 31 on
 S. W, and S. 30 on N. W. faces, with 1 notch on
 S. and 5 notches on E. edges, from which

A Juniper 12 ins. diam. bears N. 13° E. 2.2 Mks. dist.
 marked T. 1/2 N. R. 18 E, S.; 29 B. T.
 A Juniper 10 ins. diam. bears N. 57° W. 1.7 Mks. dist.
 marked T. 1/2 N. R. 18 E, S., 30 B. T.
 A Juniper 5 ins. diam. bears S. 13° E. .6 Mks. dist.
 marked T. 1/2 N. R. 18 E, S., 32 B. T.
 A Juniper 8 ins. diam. bears S. 60° W. .5 Mks. dist.
 marked T. 1/2 N. R. 18 E, S., 31 B. T.

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.
Vegetation. Grass.

Township 12 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.~~Descend.~~4.10 Cross Road, bears $N. 60^{\circ} E. + S. 60^{\circ} W.$ 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

79.82 Intersect N. & S. line, 15 lks. S. of cor. to secs.

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

S. $89^{\circ} 57' W.$ on a true line between sections 29 & 32
Variation $14^{\circ} 16'$ East39.91 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 10 ins. diam. bears $N. 16\frac{1}{2}^{\circ} E. 1.27$ lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 15 ins. diam. bears $S. 33\frac{3}{4}^{\circ} W. 2.17$ lks. dist.
marked $\frac{1}{4}$ S. B. T.

79.82 The corner to sections 29. 30. 31 & 32

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Chains

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

Variation $14^{\circ} 10'$ East.*Over rolling land.*40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

57.00 Descend.

71.20 Enter Valley, bears $N. 10^{\circ} E.$ & $S. 10^{\circ} W.$ 79.25 Cross Wash, 16 lks. wide, Course $N. 15^{\circ} E.$ 80.15 Intersect *W. B. of Tp. 25 lks. N. of cor. to secs.*
previously set by me.

25.30 37 + 36 from which corner, I run

 $N. 89^{\circ} 49' E.$ on a true line, between sections 30 & 31Variation $14^{\circ} 10'$ East.40.15 Set a Sand stone $23 \times 10 \times 8$ ins., 18
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 7 ins. diam. bears $N. 31^{\circ} E.$ 96 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper 11 ins. diam. bears $S. 15^{\circ} W.$ 87 lks. dist.
marked $\frac{1}{2}$ S. B. T.80.15 The corner to sections 29, 30, 31 & 32
Land mountainousSoil *3rd* rateTimber of *Pine & Juniper.*Vegetation. *Grass.*

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation 14° 16' East.

Descend.

4000

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 6 ins. diam. bears $N. 41^\circ E. 200$ kts. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 10 ins. diam. bears $S. 36^\circ W. 70$ kts. dist. marked $\frac{1}{4}$ S. B. T.

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. 12 N. S. 20 on N. E., R. 18 E., S. 29 on S. E., S. 30 on S. W., and S. 19 on N. W. faces, with 2 notches on S. and 3 notches on E. edges, from which

A Juniper 10 ins. diam. bears $N. 40^\circ E. 140$ kts. dist. marked T. 12 N. R. 18 E. S., 20 B. T.

A Pine 14 ins. diam. bears $N. 20^\circ W. 210$ kts. dist. marked T. 12 N. R. 18 E. S., 19 B. T.

A Juniper 7 ins. diam. bears $S. 76^\circ E. 70$ kts. dist. marked T. 12 N. R. 18 E. S., 29 B. T.

A Juniper 7 ins. diam. bears $S. 28^\circ W. 70$ kts. dist. marked T. 12 N. R. 18 E. S., 30 B. T.

Land mountainous

Soil 3rd rateTimber of Pine & Juniper.Vegetation. Grass. May 14. 1883

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 10'$ East.

Ascend.

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

65.00 Cross Road, bears $N. 7^{\circ} E.$ & $S. 7^{\circ} W.$

79.99 Intersect N. & S. line, 28 lks. N, of cor. to secs.

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

$N. 89^{\circ} 48' W.$ on a true line between sections 20 & 29

Variation $14^{\circ} 10'$ East

39.99 Set a Sand stone $24 \times 18 \times 6$ 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 Juniper 13 ins. diam. bears $N. 46\frac{1}{2}^{\circ} E.$ 1.16 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 15 ins. diam. bears $S. 98\frac{1}{4}^{\circ} W.$ 1.10 lks. dist. marked $\frac{1}{4}$ S. B. T.

79.99 The corner to sections 19, 20, 29 & 30

Land mountainous

Soil 3^{rd} rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.52.00 Enter Valley, bears N. 40° W. & S. 40° E.63.50 Cross Wash, 9 lks. wide, Course N. 24° W.71.00 Leave Valley, bears N. & S. and ascend.80.18 Intersect W. B. of Tp. 48 lks. N. of cor. to secs.

19.24.25 & 30 from which corner, I run

N. 89° 39' E. ^{previously set by me.} on a true line, between sections 19 & 30.Variation 14° 16' East.40.18 Set a Sand stone 14 x 13 x 6 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 5 ins. diam. bears N. 18° E. 2 lks. dist. marked $\frac{1}{4}$ S. B. T. No other trees within limits.

80.18 The corner to sections 19.20.29 & 30

Land mountainous

Soil 3rd rateTimber of Pine & Juniper.Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation 14° 10' East.

Over rolling land.

40.00

Set a Sand stone 16 x 8 x 4 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 9 ins. diam. bears N. 33° E. 1.85 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Juniper 7 ins. diam. bears S. 46° W. 77 lks. dist. marked $\frac{1}{4}$ S. B. T.

80.00

Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 17, 18, 19, 20 marked T. 12 N. S. 17 on N. E., R. 18 E., S. 20 on S. E., S. 19 on S. W., and S. 18 on N. W. faces, with 3 notches on S. and 5 notches on E. edges, from which

A Juniper 5 ins. diam. bears N. 26° E. 2.4 lks. dist. marked T. 12 N. R. 18 E. S., 17 B. T.

A Juniper 8 ins. diam. bears N. 37° W. 1.15 lks. dist. marked T. 12 N. R. 18 E. S., 18 B. T.

A Juniper 13 ins. diam. bears S. 54° E. .7 lks. dist. marked T. 12 N. R. 18 E. S., 20 B. T.

A Juniper 10 ins. diam. bears S. 82° W. 1.0 lks. dist. marked T. 12 N. R. 18 E. S., 19 B. T.

Land mountainous

Soil 3rd rateTimber of Pine & Juniper.Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.*Ascend.*40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.30 Intersect N. & S. line, 11 lks. N. of cor. to secs.
16.17.20.21 from which corner, I run $N. 89^{\circ} 55' W.$ on a true line between sections 17 & 20
Variation $14^{\circ} 16'$ East40.15 Set a Sand stone 13 x 12 x 7 ins., 9
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 12 ins. diam. bears $N. 60^{\circ} E.$ 2.18 lks. dist.
marked $\frac{1}{4}$ S. B. T.A Juniper 13 ins. diam. bears $S. 57^{\circ} W.$ 1.62 lks. dist.
marked $\frac{1}{4}$ S. B. T.80.30 The corner to sections 17. 18. 19. 20
Land mountainousSoil *3rd* rate

Timber of Pine & Juniper.

Vegetation. Grass.

Chains

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

Variation $14^{\circ} 16'$ East.

Descend.

11.50 Enter Valley, bears $N. 20^{\circ} E.$ $S. 20^{\circ} W.$ 27.25 Cross Wash, 16 lks. wide, Course $N. 24^{\circ} E.$ 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.41.50 Leave Valley, bears $N. 21^{\circ} E.$ and ascend.79.95 Intersect $N. B.$ of T_p, 10 lks. $S.$ of cor. to secs.
previously set by me.

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

 $S. 89^{\circ} 50' E.$ on a true line, between sections 18 & 19Variation $14^{\circ} 16'$ East.39.95 Set a Sand stone $13 \times 10 \times 4$ 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 Yellow Pine 13 ins diam. bears $N. 51^{\circ} E.$ 60 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper 10 ins. diam. bears $S. 19^{\circ} W.$ 57 lks. dist.
marked $\frac{1}{2}$ S. B. T.

79.95 The corner to sections 17, 18, 19, 20

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation

14° 10'

East.

Descend.

- 6.00 Enter Valley, bears N. 39° E. & S. 39° W.
- 31.00 Leave timber bears N. E. & S. W.
- 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.
- 71.60 Enter timber bears N. $13\frac{1}{2}$ ° E. & S. $13\frac{1}{2}$ ° W.
- 80.00 Set a sand stone 20 x 10 x 5 ins. 18 ins. in the ground for Cor. to Secs. 7, 8, 17 & 18 marked with 4 notches on S. and 5 notches on E. edges and raised a mound of stone alongside. Pits impracticable.
- Land rolling.
- Soil 3rd rate.
- Timber of Pine & Juniper.
- Vegetation. Grass.

Township

12 N

Range

18 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.

Descend.

9.00 Leave Valley, bears N. 41° E. 30 S. 41° W.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

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

8.9.16 & 17 from which corner, I run

N. $89^{\circ} 53'$ W. on a true line between sections 8 & 17Variation $14^{\circ} 16'$ East

40.09 Set a Sand stone $20 \times 10 \times 7$ 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 which

A Juniper 11 ins. diam. bears N. 43° E. 2.1 lks. dist. marked $\frac{1}{2}$ S. B. T.

A Juniper 9 ins. diam. bears S. 34° W. 1.1 lks. dist. marked $\frac{1}{2}$ S. B. T.

80.18 The corner to sections 7, 8, 17 & 18
Land mountainous

Soil 3rd rate

Timber of

Pine & Juniper.

Vegetation.

Grass.

May 15. 1883

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains

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

Variation 14° 16' East.

Descend.

- 26.00 **Gross Wash**, 26 lks. wide, Course N. E.
- 29.00 Leave Valley, bears N. 37½° E. S. 37½° W and ascend.
- 40.00 Set temporary ¼ Sec. Cor.
- 56.00 Top of Ridge, bears N. 38° E. S. 38° W and descend.
- 79.83 Intersect W. B. of Tp. 23 lks. N. of cor. to secs. previously set by me.
 712.13 & 18 from which corner, I run
N. 89° 50' E. on a true line, between sections 7 & 18
 Variation 14° 16' East.
- 37.83 Set a Sand stone 23 x 10 x 7 ins., 18
 ins. in the ground, for ¼ Sec. Cor., marked ¼ on
 face, and raised a mound of stone alongside. Pits
 unpracticable. from which
- A Juniper 9 ins. diam. bears N. 14° E. 2.17 lks. dist.
 marked ¼ S. B. T.
- A Juniper 8 ins. diam. bears S. 33° W. 1.00 lks. dist.
 marked ¼ S. B. T.
- 79.83 The corner to sections 7. 8. 17 & 18
 Land mountainous & rolling.
 Soil 3rd rate
 Timber of Pine & Juniper.
 Vegetation. Grass.

Township

12 N.

Range

18 E.

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation 14° 16' East.

Descend.

12.00 Cross Wash, 18 lks. wide, Course N. E.
 21.00 Leave Valley, bears N. E. & S. W. and ascend.
 40.00 Set a Sand stone 23 x 12 x 4 ins., 18 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

80.00 Set a Sand stone 18 x 7 x 7 ins. 12 ins. in the ground for Cor. to Secs. 5, 6, 7, 8 marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.
 A Juniper 8 ins. diam. bears N. 36° E. 14 lks. dist. ^{From which}
 marked T. 12 N. R. 18 E. S., 5 B. T.
 A Juniper 9 ins. diam. bears S. 29° E. 64 lks. dist.
 marked T. 12 N. R. 18 E. S., 8 B. T.
 A Juniper 17 ins. diam. bears S. 13 1/2° W. 179 lks. dist.
 marked T. 12 N. R. 18 E. S., 7 B. T.
 A Juniper 4 ins. diam. bears N. 67° W. 28 lks. dist.
 marked T. 12 N. R. 18 E. S., 6 B. T.

Land mountainous

Soil 2nd & 3rd rate

Timber of Pine & Juniper

Vegetation. Grass.

Township 12 N Range 18 E

Gila and Salt River Meridian.

Chains

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

Variation $14^{\circ} 16'$ East.*Descend.*

- 28.00 Enter Valley, bears N. E. & S. W.
- 29.70 Cross Wash, 10 lks. wide, Course N. 46° E.
- 37.00 Leave Valley, bears N. 30° E. & S. 30° W.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.05 Intersect N. & S. line, 9 lks. S. of cor. to secs.
45.8 & 9 from which corner, I run
 $89^{\circ} 56'$ W. on a true line between sections 5 & 8
Variation $14^{\circ} 16'$ East
- 40.03 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, and raised a mound of stone $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base around post. Pits impracticable.
- 80.05 The corner to sections 5, 6, 7 & 8
Land rolling.
Soil 2nd & 3rd rate
Vegetation Grass.

Chains

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

Variation $14^{\circ} 16'$ East.*Ascend.*37.00 Top of Ridge, bears $N. 10^{\circ} E.$ $S. 10'$ and descend.40.00 Set temporary $\frac{1}{2}$ Sec. Cor.79.77 Intersect W.B. of Tp. 10 Ns. N. of cor. to sec.
previously set by me.1.6. 7th 12th from which corner, I run $N. 89^{\circ} 56' E.$ on a true line, between sections 6 & 7Variation $14^{\circ} 16'$ East.39.77 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 whichA Juniper 10 ins. diam. bears $N. 16^{\circ} E.$ 1.65 lks. dist.
marked $\frac{1}{2}$ S. B. T.A Juniper 9 ins. diam. bears $S. 8^{\circ} W.$.57 lks. dist.
marked $\frac{1}{2}$ S. B. T.79.77 The corner to sections 5, 6, 7 & 8
Land mountainousSoil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

Township 12 N. Range 18 E.

Gila and Salt River Meridian.

Chains North, on a ~~run~~^{true} line between Sections 5 and 6.
Variation 14° 16' East.

Ascend. gradually.
21.00 Top of Ridge, bears N. 30° E. & descend.
38.50 Intersect the 3rd Standard Parallel North at a point 15.91 chs. West of the Standard ^{1/4 Sec. on} Cor. _A to S. B. of Sect. 32 and T. 12 N. R. 18 E.

previously described. and
Set a Sand stone 18 x 10 x 5 ins 12 in the ground for Closing Cor. to Sers. 5 and 6 marked S. C. with 5 notches on E. and 1 notch on W. edges and raised a mound of stone. alongside.

Pits impracticable.

Land mountainous

Soil 3rd rate

Timber of Pine & Juniper.

Vegetation. Grass.

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

May 10. 1883.

GENERAL DESCRIPTION.

The surface of this Township is ^{most} gently rolling - some portions of it - however - being quite mountainous.

The grazing throughout the Township is excellent - consisting of Black. White Gramma with little Buffalo or bunch Grass.

The soil is all 2nd grade in the Valley's and is excellent - land for cultivation, the color of the loam is a reddish black, and produces more than average crops.

The soil on the slopes and ridges is 3rd grade and gravelly.

The whole Township is covered with a thick growth of Juniper.

In the Southern portion it is intermixed with considerable Pine, and some small Oaks, and in

the North half of the Tp.
there is considerable Pinon
and scarcely any Pine.

There ^{are} ~~is~~ no living
streams in this Township,
but, water can be obtained
by sinking in any of the
Valleys, at a depth of
not more than 30 ft.

There are parts of
three Ranches in this
Township, and are
situated as follows:

Jacob Longquist	Sec. 32.
George Finley	Sec. 34.
James Anthony	Sec. 35.

Finley's house is in T11 N.
R. 18. E.

For final notes
see Book N^o 14

U. S. Surveyor-General's Office.

Tucson A. T.

Nov 13

1884

The foregoing Field Notes of the surveys of

Township 12 North

Range 18 East

Gila & Salt River Base ^{End} Meridian

in Arizona executed by

H. C. Coe

U. S. Deputy Surveyor, under his contract dated

July 25 1882

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

Royal A. Johnson

U. S. Surveyor-General for