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Book No. 5

BOOK 617

A. E. Shoemaker Deputy Surveyor.

T. 3 S. R. 8 E.

Gila and Salt River Meridian.

No. 617

617

FIELD NOTES

OF

THE SUBDIVISION LINES OF

Township 3 S. Range 8 E.

Gila and Salt River Meridian.

BY

A. E. Shoemaker Deputy Surveyor.

Under his Contract of August 5. 1882

Survey Commenced July 18. 1884

Survey Completed July 25. 1884

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Copied for Washington,
Copied for Register,*

No. 617

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BOOK 617

Township 3 South, Range 8 East,
Gila and Salt River Basins Meridian.

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Township

Range

Meridian.

For preliminary
 oaths 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 Basel
 Germany in 1881

Before proceeding to subdivide this Tp., I made a
 change of 5 minutes in the latitude arc of my
 solar compass by subtracting same from
 the reading previously given, and at noon verified
 and corrected same by observation on the sun. I also
 further tested instrument by reversing.

¹ Township **BOOK 617** 3 S Range 8 E

(See previous page.)

Gila and Salt River Meridian.

Chains

From the corner to Sections 35, 36, 1 and 2 on the South boundary, ^{previously described.} 1 run, North, between Sections 35 and 36

Variation 13° 53' East.

Ascend.

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 $\frac{1}{4}$ 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.

4200

Leave Chain and ascend

63.70

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

7200

Enter Chain bears N. 70° W. S. E.

80.00

Set a sand stone 21 x 10 x 6 ins. 16 ins. in the ground for Cor. to Secs. 25, 26, 35, 36 marked with / notch on S. and / notch on E. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous.

Soil ^{gr.} rate

Vegetation Grass & Sage.

Township 3 S.

Range 8 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 53' East.

Over level land

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

79.96 Intersect E. B. of Tp. 13 lks. N. of cor. to secs.

25. 30. 31. 36 from which corner, I run

N. 89° 54' W. on a true line, between sections 25 & 36

Variation 13° 53' East.

39.98

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.

79.96

The corner to sections 25. 26. 35. 36

Land level.)

Soil 3rd rate

Vegetation

Grass & Sage.

Chains

North, between Sections 25 and 26.

Variation 13° 53' East.

Over level land

40.00

Set a Lava stone 10 x 10 x 7 ins., 11 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on face, and raised a mound of stone alongside. Pits impracticable.

74.16

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

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, 3 S. S. 24, on N, E, R, S. E., S. 25 on S, E, S. 26 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 1/2 ft. dist., and raised a mound of earth 2 ft, high, 4 1/2 ft, base around post.

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township 3 S Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 54'$ East.

Over level land

97.40 Leave Point and ascend

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

70.00 Leave Person Hill & enter Chain

80.14 Intersect E. B. of Tp. 20 lks. N. of cor. to secs.

^{previously described.}
19.24.25 from which corner, I run

N. $89^{\circ} 49'$ on a true line, between sections 24 & 25

Variation $13^{\circ} 55'$ East.

40.07 Set a Lava stone 20 x 15 x 8 ins., 19

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.

80.14 The corner to sections 23, 24, 25 & 26.

Land level, & rolling.

Soil 2nd rate

Vegetation Grass & Sage.

Chains North, between Sections 23 and 24.

Variation 13° 54' East.

Over level land

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 1/4 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.

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, S, S. 13, on N, E, R, S, E, S. 24 on S, E, S, 23 on S, W, and S, 14 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 1/2 ft. dist., and raised a mound of earth 2 ft, high, 4 1/2 ft, base around post.

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 55'

East.

Over level land

40.00

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

80.53

Intersect E. B. of T_n. 21 lks. S. of cor. to secs.
previously described.

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

S. 89° 57' W on a true line, between sections 13 & 24

Variation

13° 55'

East.

40.26

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.

80.53

The corner to sections 13, 14, 23 & 24

*Land level.*Soil 3rd rate

Vegetation

Grass & Sage.

Chains

North, between Sections 13 and 14.

Variation 13° 55' East.

Over level land

40.00

Set a Lava stone 18 x 8 x 6 ins., 12 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 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. 11, 12, 13, 14 marked T, 3 S. S, 12 on N, E, R, S E, S. 13 on S, E, S, 14 on S. W, and S, 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 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land level.

Soil - 3rd rate

Vegetation Grass & Sage.

Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 56'$ East.

Over level land

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

80.10 Intersect E. B. of Tp. 14 N. of cor. to secs. previously described.

7. 2. 13 & 18 from which corner, I run

N. $89^{\circ} 54'$ W on a true line, between sections 12 & 13

Variation $13^{\circ} 55'$ East.

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 $\frac{1}{4}$ 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.

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

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township

3

8

Range

8

E

Gila and Salt River Meridian.

Chains

North, between Sections 11 and 12.

Variation 13° 56' East.

Over level land

40.00

Set a Sand stone 21 x 10 x 7 ins., 16 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on W. face, and raised a mound of stone alongside. Pits impracticable.

63.41

Cross Wash, 15 fks. wide, Course S 61° W.

80.00

Set a Lava stone 16 x 12 x 7 ins. 11 ins. in the ground for Cor. to Secs. 1, 2, 11 & 12 marked with 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, alongside.

Land level.

Soil 3rd rate

Vegetation

Grass & Sage.

Township

38

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 57'

East.

Over level land

16.16 Cross Wash, 10 lks. wide, Course S. 15½° W.

40.00 Set temporary ¼ Sec. Cor.

79.93 Intersect E. B. of Tp. 12 lks. S. of cor. to secs.
previously described.

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

S. 89° 53' W. on a true line, between sections 16 12

Variation 13° 55' East.

39.96 Set a Sandstone 12 x 7 x 7 ins., 8 ins.
in the ground, for ¼ Sec. Cor., marked ¼ on N. face,
dug pits 18 x 18 x 12 ins., E. and W. of stone 5½
ft. dist., and raised a mound of earth 1½ ft. high, 3½
ft. base alongside.

79.93 The corner to sections 1, 2, 11, 12

Land level.

Soil 3rd rate

Vegetation

Grass, Sage.
July 18. 1884

Township

3

S

Range

8

8

Gila and Salt River Meridian.

Chains

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

Variation

13° 58' East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.91 Intersect N.B. of Tp. S 1ks. W. of cor. to secs.
previously set by me.

12.35 + 30 from which corner, I run

S. 3' W. on a true line, between sections 1 & 2

Variation 13° 57' East.

39.91 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.

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

Land level.

Soil 3rd rate

Vegetation

Grass & Sage.

Township

3 S.

Range

8 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 53'$ East.

Over level land

40.00

Set a Sand stone $23 \times 18 \times 6$ ins., 18 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ on NW 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. 26, 27, 34, 35 marked T, 3 S, S, 26, on N. E, R, 8 S, S, 35 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 $18 \times 18 \times 12$ ins, in each Sec., $5\frac{1}{2}$ ft, dist., and raised a mound of earth 2 ft, high, $4\frac{1}{2}$ ft, base around post.

Land level.

Soil *gr.* rate

Vegetation

Grass & Sage.

Township

3 J.

Range

8 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 53' East.

Over level land

40.00 Set temporary 1/2 Sec. Cor.

48.00 Leave Chain bears N. 30° W. and ascend

61.50 Top of Ridge, bears N. 30° W. and descend.

70.20 Leave slope bears N. 30° W. over Chain.

80.21 Intersect N. & S. line, 16 lks. N. of cor. to secs.

26.35 from which corner, I run

N. 89° 53' W. on a true line between sections 26 & 35

Variation 13° 53' East

40.11 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

N. face, dug pits, 18 x 18 x 12 ins., E. and W. 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.

80.21 The corner to sections 26, 27, 34, & 35

Land level, and rolling.

Soil good rate

Vegetation Grass & Sage.

Township 13 S

Range 8 E

Gila and Salt River Meridian.

Chains

North, between Sections 26 and 27.

Variation 13° 53' East.

Over level land

40.00

Set a Sand stone 20 x 10 x 6 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.

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, 3 S. S. 23. on N, E, R, 8 E, S. 26 on S, E, S. 27 or S. W, and S. 22 on N, W, face with 2 notches on S, and 2 notches on E, edges, dug pits 18 x 18 x 12 ins, in each Sec., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land level.

Soil 3rd

Vegetation

gate
Grass & Sage.

Gila and Salt River Meridian.

Chains East, on a random line between Sections 23 and 26.
 Variation 13° 54' East.

Ascend. gradually.

31.23 Top of Ridge, bears N. 40° W. $\frac{1}{2}$ S. $\frac{1}{10}$ E. and descend.
 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.
 42.00 Leave slope bears N. W. & S. E. onto level Chain
 72.45 Cross road from Phoenix to Phoenix

79.84 Intersect N. & S. line, 43 lks. N. of cor. to secs.
 23.24.25.26 from which corner, I run

N. 89° 42' W. on a true line between sections 23 & 26
 Variation 13° 54' East

39.92 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.

~~79.84~~
 The corner to sections 22.23.26 & 27
 Land level and rolling.

Soil 3rd rate
 Vegetation Grass & Sage.

Township *3 S*Range *8 E*

Gila and Salt River Meridian.

Chains

North, between Sections 22 and 23.

Variation

13° 54'

East.

Ascend.

11.25

Top of Ridge bears N. 60° W., S. 60° E. and descend.

24.50

Leave slope bears N. 60° W., S. 60° E. on the Chain.

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. onW. 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.*53.08*

Cross Florence and Phoenix Road bears N. W., S. E.

80.00

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

12 ins. in the ground, for Cor. to Secs. 14, 15, 22, 23

marked T, 3 S. S. 14, on N, E, R, S, S. 23

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

with 3 notches on S, and 9 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

3rd

rate

Vegetation

Grass & Sage.

17 Township 3 J Range 8 E
 Gila and Salt River Meridian.

Chains East, on a random line between Sections 14 and 23.
 Variation 13° 55' East.

Over level land

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

80.05 Intersect N. & S. line, 7 lks. N. of cor. to secs.

B. 14, 23, 24 from which corner, I run

N. 89° 57' W. on a true line between sections 14 & 23

Variation 13° 55' East

40.03 Set a Sand stone 21 x 16 x 7 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.

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

Land level.

Soil 30" rate

Vegetation Grass & Sage.

Township *3 S*

Range *8 E*

Gila and Salt River Meridian.

Chains

North, between Sections 14 and 15.

Variation

13° 55'

East.

Over level land

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. 10, 11, 14 & 15 marked T, 3 S. S. 11, on N, E, R, 8 E. S. 14 on S, E, S, 15 on S, W, and S, 10 on N, W, face with 4 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.

Land level.

Soil *3rd* rate

Vegetation

Grass & Sage.

Township

3

S.

Range

8

E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 55' East.

Over level land

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

7991 Intersect N. & S. line, 31 lks. S. of cor. to secs.

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

S. 89° 47' W. on a true line between sections 11 & 14

Variation 13° 56' East

3995 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.

7991 The corner to sections 10, 11, 14 & 15

Land level.

Soil 3rd rate

Vegetation

Grass & Sage
July 19, 1884

Township

3 S.

Range

8 E.

Gila and Salt River Meridian.

Chains

North, between Sections 10 and 11.

Variation

13° 55'

East.

Over level land

22.16 Cross Wash, 21 lks. wide, Course 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.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 2, 3, 10, 11 marked T, 3 S. S. 2, on N. E. R, 8 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.

Land level.

Soil 3rd rate

Vegetation

Grass, Sage.

Township 3 S. Range 8 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Over level land

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

80.22 Intersect N. & S. line, 14 lks. N. of cor. to secs.

2. 11. 12 from which corner, I run

N. $89^{\circ} 54' W.$ on a true line between sections 2 & 11

Variation $13^{\circ} 57'$ East

40.11 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.

80.22 The corner to sections 2. 3. 10. 11

Land level.

Soil 3° rate

Vegetation Grass, Sage

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 58'$ East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.11 Intersect N. B. of Tⁿ. 16 Ws. E. of cor. to secs.
previously set by me.

2, 3, 34 + 35 from which corner, I run

37' E. on a true line, between sections 2 + 3

Variation $13^{\circ} 57'$ East.40.11 Set a Lava stone $2\frac{1}{2} \times 16 \times 5$ ins., 10 ins.
in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face,
dug pits $18 \times 18 \times 12$ ins., N. and S. of stone $5\frac{1}{2}$
ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$
ft. base alongside.

80.11 The corner to sections 2, 3, 10 + 11

Land level.

Soil 3rd rate

Vegetation

Grass + Sage

BOOK 617

Township 3

J

Range 8

8

E

Gila and Salt River Meridian.

From the corner to sections, 3, 4, 33 & 34 on S. 16. of Sp. previously described. 9 min

Chains

North, between Sections 33 and 34.

Variation

13° 54' East.

Over level land

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 Sand stone 20 x 10 x 6 ins. 5 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.

Land level.

Soil 3rd

rate

Vegetation

Grass & Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 54'$ East.

Over level land

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

08.27 Cross Road, bears, N. & S.

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

20.27, 34.35 From which corner, I run

N. $89^{\circ} 54' W.$ on a true line between sections 27 & 34

Variation $13^{\circ} 53'$ East

39.86 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.

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

Land level.

Soil 3^{rd} rate

Vegetation Grass & Sage.

Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains North, between Sections 27 and 28.

Variation 13° 54' East.

Over level land

31.00 Leave Chain, ascend slope, bears N. 75° E. and S. 75° W.

38.50 Top of Ridge, bears N. 70° E. & S. 70° W. and descend.

40.00 Set a Lava stone 21 x 13 x 4 ins., 10 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on face, and raised a mound of stone alongside. Pits impracticable.

47.61 Cross Wash, 15 fms. wide, Course W. Due W. from this point - dist. 11 + 17 chs. are two tanks that hold water plentiful during 9 months in the year.

80.00 Set a post 4 ft. long 1 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 21, 22, 27, 28 marked T, 3 S, 22 on N, E, R, & E, S. 27 on S, E, S, 28 on S, W, and S, 21 on N, W, face with 2 notches on S, and 3 notches on E, edges, 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 level. And mountainous.

Soil 3rd rate

Vegetation Grass, Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 55'$ East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.52.71 Cross Road, bears, $N. 8^{\circ} E. S. 8^{\circ} W.$

80.24 Intersect N. & S. line. 7 lks. N. of cor. to secs.

22.23.26.27 from which corner, I run

 $N. 89^{\circ} 57' W.$ on a true line between sections 22. 27Variation $18^{\circ} 54'$ East

40.12 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.

80.24 The corner to sections 21. 22. 27. 28

Land level.

Soil 3rd rate

Vegetation Chace & Sage.

Township 3Range 8E.

Gila and Salt River Meridian.

Chains

North, between Sections 21 and 22.

Variation $13^{\circ} 55'$ East.*Over level land*

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.

2.00

Set a Lava stone 20 x 10 x 4 ins. 15 ins. in the ground for Cor. to Secs. 15, 16, 21, 22 marked with 3 notches on S. and 3 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

Land level.

Soil

3rd

rate

Vegetation

Grass & Sage.

Township

Range

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 55'$ East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.42.20 Cross Phoenix & Florence Road
bears N. 65° W. S. 65° E.~~Cross Road, bears,~~

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

14.15.22 23 from which corner, I run

N. 89° 49' W. on a true line between sections 15 & 22

Variation $13^{\circ} 55'$ East

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. onN. face, and raised a mound of stone $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post. Pits impracticable.

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

Land level.

Soil 3rd rate

Vegetation

Grass & Sage.

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

July 21. 1884

Chains

North, between Sections 15 and 16.

Variation

13° 35'

East.

Over level land

17.21 Cross Wash, 29 lbs. wide, Course S 25° W, from this point a tank is located N. 50° E. dist. 8.70 chs. in bed of creek. Tank has water 9 months in the year.

40.00 Set a Lava stone 20 x 7 x 7 ins., 15 ins. in the ground, for 1/2 Sec. Cor., marked 1/2 on W. face, and raised a mound of stone alongside. Pits impracticable.

40.01 Cross Phoenix & Florence road bears N. 50° W. S. 30° E.

42.00 Leave Chain & ascend slope bearing N. E. S. 1/2 E.

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

70.00 Leave slope and enter level Prairie

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, 3 S, 10 on N, E, R, 8 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 1/2 ft. dist., and raised a mound of earth 2 ft. high, 4 1/2 ft. base around post.

Land level. and mountainous.

Soil 3rd rate

Vegetation Grass Sage

Township

3 S

Range

8 E

No. 617

Meridian.

Chains

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

Variation $13^{\circ} 56'$ East.

Over level land

33.00 Leave chain & ascend gradually.

40.00 Set temporary $\frac{1}{2}$ Sec. Cor.44.21 Top of Ridge, bears N. 12° E. S. 12° and descend.

66.46 Same slope bears N. & S. enter chain.

71.00 Cross Wash, 10 lks. wide, Course S. W.

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

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

 $S. 89^{\circ} 52' W.$ on a true line between sections 10 & 15Variation $13^{\circ} 55'$ East

39.78 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.

79.57 The corner to sections 9. 10. 15. 16

Land level. mountainous.

Soil 3° rate

Vegetation Grass. Sage.

Township 3Range 8Gila and Salt River Meridian.

Chains

North, between Sections 9 and 10.

Variation

3° 56'

East.

Over level land

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 $\frac{1}{2}$ 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. 3, 4, 9, 10 marked T. 3 S. 3 on N, E, R, 8 E. S. 10 on S, E, S, 9 on S. W, and S, 4 on N, W, face with 3 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 level.*Soil 3rd rate

Vegetation

Grass & Sage.

Township *3 S*

Range *8 E*

Gila and Salt River Meridian.

Chains East, on a random line between Sections 3 and 10.
Variation *13° 56'* East.

Over level land

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

47.60 Top of Ridge, bears *N. S.* and descend.

58.00 Leave slope bears *N. S.* enter Chain.

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

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

S. 89° 54' W. on a true line between sections *3 & 10*

Variation *13° 57'* East

40.05 Set a Sand stone *21 x 13 x 6* ins.,

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.

80.09 The corner to sections *3. 4. 9. 10*

Land level. and mountainous.

Soil *3rd* rate

Vegetation *Grass & Sage.*

Township

3

S

Range

8

E

Gila and Salt River Meridian.

Chains

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

Variation 13° 09' East.

Over level land

40.00 Set temporary 1/2 Sec. Cor.

47.90 Cross Wash, 18 lks. wide, Course S. 60° W.

79.88 Intersect N. B. of Tp. 7 lks. W. of cor. to sec. previously set by me.

3 4. 33 & 34 from which corner, I run

S. 3' W. on a true line, between sections 3 & 4

Variation 13° 56' East.

39.88 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.

79.88 The corner to sections 3. 4. 9. 10

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township *3 S*

Range *8 E*

Gila and Salt River Meridian.

Chains

From the corner to sections, *4, 5, 32 & 33 on S. 12. of 1/4*
 previously described. *run*
 North, between Sections 32 and 33.

Variation

13° 55' East.

Over level land

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 $\frac{1}{2}$ 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.

20.00

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

Land level.

Soil *3rd* rate

Vegetation

Grass & Sage.

Township

3 S.

Range

8 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 55'$ East.

Over level land

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

79.89 Intersect N. & S. line, 8 lks. S. of cor. to sec.

27, 28, 33, 34 from which corner, I run

$S. 89^{\circ} 57' W.$ on a true line between sections 28 & 33

Variation $13^{\circ} 54'$ East

39.94 Set a Lava stone $20 \times 7 \times 4$ ins., 16 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.

79.89 The corner to sections 28, 29, 32, 33

Land level.

Soil ^{30?} rate

Vegetation Grass & Sage.

Township

Range

Gila and Salt River

Meridian.

Chains

North, between Sections 28 and 29.

Variation

13° 55'

East.

22.00

Leave level surface
 Leave main ~~pass~~ ^{ascending} slope bearing E. & W.
 Top of Ridge, bears E. & W. and descend.

24.00

37.00

40.00

Leave slope bearing E. & W. on level Chain
 Set a Lava stone 21 x 16 x 4 ins., 15
 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W.
 face, and raised a mound of stone alongside. Pits
 impracticable.

62.00

Cross Wash, 29 lks. wide, Course S. 80° W.

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, 3 S. S. 21, on N. E. R. 8 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,
 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 3rd rate

Vegetation

Grass & Sage.

Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 56' East.

Over level land

31.00 Cross Wash, 20 fms. wide, Course S. W.

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

80.11 Intersect N. & S. line, 29 fms. N. of cor. to secs.

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

N. 89° 48' W. on a true line between sections 21 & 28

Variation 13° 55' East

40.00 Set a Lava stone 15 x 12 x 12 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.

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

Land level.

Soil 3rd rate

Vegetation Grass, Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

North, between Sections 20 and 21.

Variation

13° 56' East.

Over level land

28.10 Leave Chain & ascend slope bearing N. E. & S. W.

40.00 Set a Sand stone 21 x 18 x 18 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.

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

60.00 Leave slope, bears N. E. & S. W. & over Chain

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 16, 17, 20, & 21 marked T, J S. S. 16, on N. E. R. & 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.

Land level. and mountainous.

Soil good rate

Vegetation Grass & Sage.
July 22, 1884

Township 3 S.Range 8 E.

Gila and Salt River Meridian.

Chains

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

Variation

 $13^{\circ} 56'$

East.

20.00 Leave Chain & ascend slope bears N. E. S. W.

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

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

48.00 Leave slope & enter Chain.

63.30 Cross Wash, 23 fks. wide, Course S. $18\frac{1}{2}^{\circ}$ W.

80.43 Intersect N. & S. line. 14 fks. S. of cor. to secs.

15. 10. 21. 22 from which corner, I run

S. $89^{\circ} 54'$ W. on a true line between sections 16 & 21

Variation

 $13^{\circ} 55'$

East

40.21 Set a Granite stone 16 x 10 x 6 ins., 11 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, and raised a mound of stone alongside. Pits impracticable.

80.43 The corner to sections 16, 17, 20, 21

Land mountainous.

Soil 2^{nd} rate

Vegetation Grass & Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

North, between Sections 16 and 17.

Variation $13^{\circ} 56'$ East.*Over level land*

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 $\frac{1}{2}$ 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 Granite stone 20 x 17 x 10 ins. 15 ins. in the ground for Cor. to Secs. 8, 9, 10, & 17 marked with 4 notches on S. and 4 notches on E. edges and raised a mound of stone alongside. Pits impracticable.

*Land level.*Soil 3rd

rate

Vegetation

Grass. Sage.

Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Over level land

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

63.87 Cross Phoenix & Florence Road
bearing $N. 37\frac{1}{2}^{\circ} W.$ & $S. 37\frac{1}{2}^{\circ} E.$

79.87 Intersect N. & S. line, 33 lks. S. of cor. to secs.

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

$S. 89^{\circ} 45' W.$ on a true line between sections 9 & 16

Variation $13^{\circ} 50'$ East

39.93 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ S. 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.

79.87 The corner to sections 8, 9, 10 & 17

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township 3 S Range 8 E

Gila and Salt River Meridian.

Chains

North, between Sections 8 and 9.

Variation 13° 07' East.

Over level land

28.95 - Cross Wash, 11 lks. wide, Course S. W.
 40.00 Set a Lava stone 15 x 10 x 3 ins., 16
 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, 4, 5, 8, 9
 marked T, 3 S, 4, on N, E, R, 8 E, 9
 on S, E, S, 8 on S, W, and S, 5 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 1/2 ft, dist.,
 and raised a mound of earth 2 ft, high, 4 1/2 ft, base
 around post.

Land level.

Soil 3⁰⁻² rate

Vegetation Grass, Sage.

Township

3

S.

Range

8

E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 57'$ East.

Over level land

27.70 Cross Florence & Phoenix Road
bearing $N. 28^{\circ} W.$ & $S. 28^{\circ} E.$ 36.60 Cross Wash, 17 lks. wide, Course $S. 30^{\circ} W.$ 40.00 Set temporary $\frac{1}{2}$ Sec. Cor.

80.15 Intersect N. & S. line, 40 lks. S. of cor. to secs.

34.9 & 10 from which corner, I run

 $S. 89^{\circ} 40' W.$ on a true line between sections 4 & 9Variation $13^{\circ} 56'$ East40.07 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.

80.15 The corner to sections 4, 5, 8 & 9

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township 3 S Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 59'$ East.

Over level land

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

56.56 Cross Phoenix & Florence Road
 bears N. 25° W. $\frac{1}{4}$ Sec. E.

80.20 Intersect N. B. of Tp. 19 lks. E. of cor. to sec.
 previously set by me.

4.5. 32, 33 from which corner, I run

8.8' E on a true line, between sections 4 & 5

Variation $13^{\circ} 57'$ East.

40.10 Set a Lava stone $21 \times 15 \times 7$ ins., 10
 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N.
 face, and raised a mound of stone alongside. Pits

impracticable.

80.20 The corner to sections 4, 5, 8, & 9

Land level.

Soil 3^{rd} rate

Vegetation

Grass & Sage
 July 23, 1884

Township

3

S

Range

8

E

Gila and Salt River Meridian.

Chains

From the corner to sections, 5, 6, 31 & 32 on S. 13. of 41.
previously described.

North, between Sections 31 and 32.

Variation

13° 56'

East.

Over level land

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. 29, 30, 31, 32
marked T, 3 S. S. 29, on N, E, R, 8 E, S. 32
on S, E, S, 31 on S, W, and S, 30 on N, W, face
with / notch 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.

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

Township

3 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 56'$ East.*Over level land*40.00 *Set temporary $\frac{1}{4}$ Sec. Cor.*80.00 *Intersect N. & S. line. ~~the~~ al- of cor. to secs.**28, 29, 32, 33 from which corner, I run**West. ~~N.~~ on a true line between sections 29, 32**Variation $13^{\circ} 55'$ East*

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 $\frac{1}{2}$ 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.*

80.00 *The corner to sections 29, 30, 31, 32**Land level.**Soil 3rd rate**Vegetation Grass, Sage.*

Township 3 S.Range 8 E.

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 56'$ East.

Over level land

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.79.00 Intersect W.B. of Tp. 11 Nks. S. of cor. to sec.
previously described.

25.30.31, 32 from which corner, I run

S. $89^{\circ} 55'$ E. on a true line, between sections 30 & 31Variation $13^{\circ} 58'$ East.

37.00 Set a post 3 ft. long, 3 ins. diam. with marked stone
12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{2}$ 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.

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

Land level.

Soil 3^{rd} rate

Vegetation Grass & Sage.

Township 3 SRange 8 E

Gila and Salt River Meridian.

Chains

North, between Sections 29 and 30.

Variation $13^{\circ} 56'$ East.

Over level land

25.00 Cross Wash, 25 lbs. wide, Course $S. 80^{\circ} W.$ 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.80.00 Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs. 19, 20, 29, 30 marked T, 3 S. 2 S. on N, E, R, & E, S. 29 on S, E, S, & S on S, W, and S, 19 on N, W, face with 2 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 level.

Soil 3rd rate

Vegetation

Grass & Sage.

Township 3

Range 8

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 58'$ East.

Over level land

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

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

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

N. $89^{\circ} 54' W.$ on a true line between sections 20 & 29

Variation $13^{\circ} 56'$ East

40.13 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.

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

Land level.

Soil 3° rate

Vegetation Grass & Sage.

Township *3 S*Range *8 E*

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 58'$ East.

- 20.00 Over level land
 40.00 Cross walk Comm s.w.
 Set temporary $\frac{1}{2}$ Sec. Cor.
- 74.10 Cross Road, bears, N. 35° E. S. 35° W.
- 78.84 Intersect N. B. of Tp. 21 lks. N. of cor. to secs.
 previously described.
 19.24.25, 30 from which corner, I run
 N. $89^{\circ} 57'$ E on a true line, between sections 19, 30
 Variation $13^{\circ} 58'$ East.
- 38.84 Set a post 3 ft. long, 3 ins. diam. with marked stone
 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ 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.
- 78.84 The corner to sections 19, 20, 29, 30
 Land level.
 Soil *3rd* rate
 Vegetation Grass & Sage.

51 Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains

North, between Sections 19 and 20.

Variation 13° 58' East.

Over level land

40.00

Set a Lava stone 16 x 10 x 6 ins., 11 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on OW face, and raised a mound of stone alongside. Pits impracticable.

65.10

Cross Wash, 30 lks. wide, Course S. 24° W.

30.00

Set a post 4 ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor. to Secs, 17, 18, 19, 20 marked T3 S. S. 17, on N, E, R, 8 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., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land level.

Soil 3rd rate

Vegetation

Grass + Sage.

Township

9 S

Range

8 E

Gila and Salt River Meridian.

Chains

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

Variation

13° 58'

East.

Over level land

13.00 Cross Wash, 21 lks. wide, Course S. W.

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

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

16.17.20, from which corner, I run

S 89° 48' W. on a true line between sections 17 & 20

Variation

12° 56'

East

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

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.

80.12 The corner to sections 17. 18. 19 & 20

Land level.

Soil S^{d} rate

Vegetation

Grass & Sage.

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

July 24. 1884

Township 3

Range 8

Gila and Salt River Meridian.

Chains

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

Variation 13° 58' East.

Over level land

31.00 Cross Road, bears, N. 21° E. S. 21° W.

40.00 Set temporary 1/4 Sec. Cor.

78.00 Intersect W. B. of Tp. 48 lks. N. of cor. to secs. 18, 19, 20 from which corner, I run

N. 89° 39' E. on a true line, between sections 18, 19
Variation 13° 58' East.

38.60 Set a Sound stone 12 x 10 x 5 ins., 8 ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N. face, dug pits 18 x 18 x 12 ins., E. and W. of it 4 & 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft base alongside.

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

Land level.

Soil 3rd rate

Vegetation

Grass & Sage.

Township

Range

Gila and Salt River Meridian.

Chains

North, between Sections 17 and 18.

Variation $13^{\circ} 08'$ East.*Over level land*

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.

74.00

Cross Road, bears, N. 18° E. & S. 18° W.

30.00

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, 3 S, 8, on N, E, R, & 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.

*Land level.*Soil 2nd & 3rd rate

Vegetation

Grass & Sage.

Township

3

S.

Range

8 E.

Gila and Salt River Meridian.

Chains

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

Variation

13° 59'

East.

Over level land

0.10 Cross Road, bears, N. 20° E. S. 20° W.

38.74 Cross Wash, 20 fks. wide, Course S. 21° W.

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

79.79 Intersect N. & S. line, 0 fks. N. of cor. to secs.

89.16 + 17 from which corner, I run

N. 89° 57' W. on a true line between sections 8 + 17

Variation

13° 57' East

39.89 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.

79.79 The corner to sections 7, 8, 17 + 18

Land level.

Soil 3rd rate

Vegetation

Grass + Sage.

Township 2 S

Range 8 E

Gila and Salt River Meridian.

Chains

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

Variation $13^{\circ} 59'$ East.

Over level land

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

61.10 Leave Chain, ascend slope bearing $N10^{\circ} E$

78.40 Intersect W. B. of Twp. 17 lks. N. of cor. to secs. previously described.

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

$N. 89^{\circ} 33' E$ on a true line, between sections 7 & 18

Variation $13^{\circ} 58'$ East.

38.40 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.

78.40 The corner to sections 7, 8, 17, 18

Land level.

Soil 3^{rd} rate

Vegetation

Grass, Sage.

Township 3 S

Range 8 E

Gila and Salt River Meridian.

Chains

North, between Sections 7 and 8.

Variation

13° 09' East.

Over level land

40.00

Set a Lava stone 16 x 10 x 7 ins., 11 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on 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, 5, 6, 7, 8 marked T, 3 S, S, 5 on N, E, R, 8 E, S, 8 on S, E, S, 7 on S, W, and S, 6 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., 5½ ft, dist., and raised a mound of earth 2 ft, high, 4 ½ ft, base around post.

Land level.

Soil

3rd

gate

Vegetation

Grass & Sage.

Township 3 N.

Range 8 E.

Gila and Salt River Meridian.

Chains

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

Variation 13° 59' East.

Over level land

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

33.76 Cross Wash ^{16 lbs wide} bears, Course S. E.

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

79.90 Intersect N. & S. line, 14 lks. N. of cor. to secs.

45.8.9 from which corner, I run

N. 89° 54' W. on a true line between sections 5 & 8

Variation 13° 57' East

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

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

79.90 The corner to sections 5, 6, 7, 8

Land level.

Soil 3rd rate

Vegetation Grass & Sage.

GENERAL DESCRIPTION.

This Township is level with the exception of a few ridges and slopes.

The grazing is good and consists of a kind of weed growing about 10 inches high and bearing a large head of seed.

There is also quite an extensive amount of bunchgrass growing in different parts of the Township.

Water can be obtained from tanks in Sections 15 & 28, except in the dry months of the year.

I don't consider that water can be obtained by digging, at a less depth than 300 ft.

The whole surface of this Township is covered with a low scattering growth of Mesquit and Holly Verde a few Iron Wood trees, sometimes called Arizona

Hahogany.

The soil would be of excellent quality, and would yield largely, with cultivation and irrigation, but water brought upon this tract would incur vast expense, on account of its distance from the river.

For final notes
see book 7^o 6-

BOOK 617

U. S. Surveyor-General's Office.

Tucson a J

1885

The foregoing Field Notes of the surveys of

Robtinson Lewis of
Tp. 3 S. R. A E.

Gila & Salt River Base and Meridian

in Arizona executed by

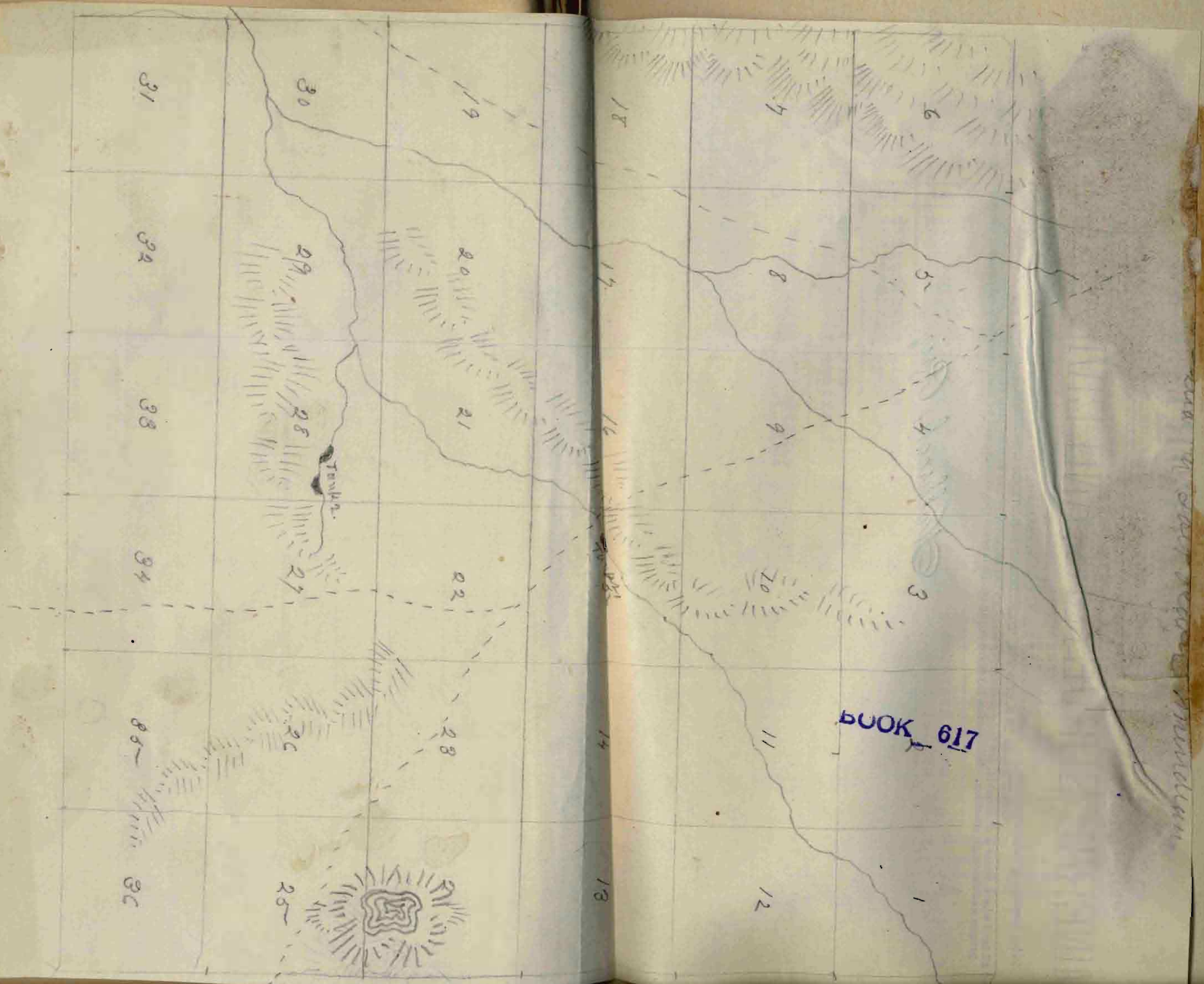
A. E. Shoemaker

U. S. Deputy Surveyor, under his contract dated

Aug 5 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



BOOK 617

contour interval 100 ft